

University of Northern Iowa

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UNI Schedule of Classes

Summer 1986

UNI Schedule of Classes, Summer 1986

University of Northern Iowa

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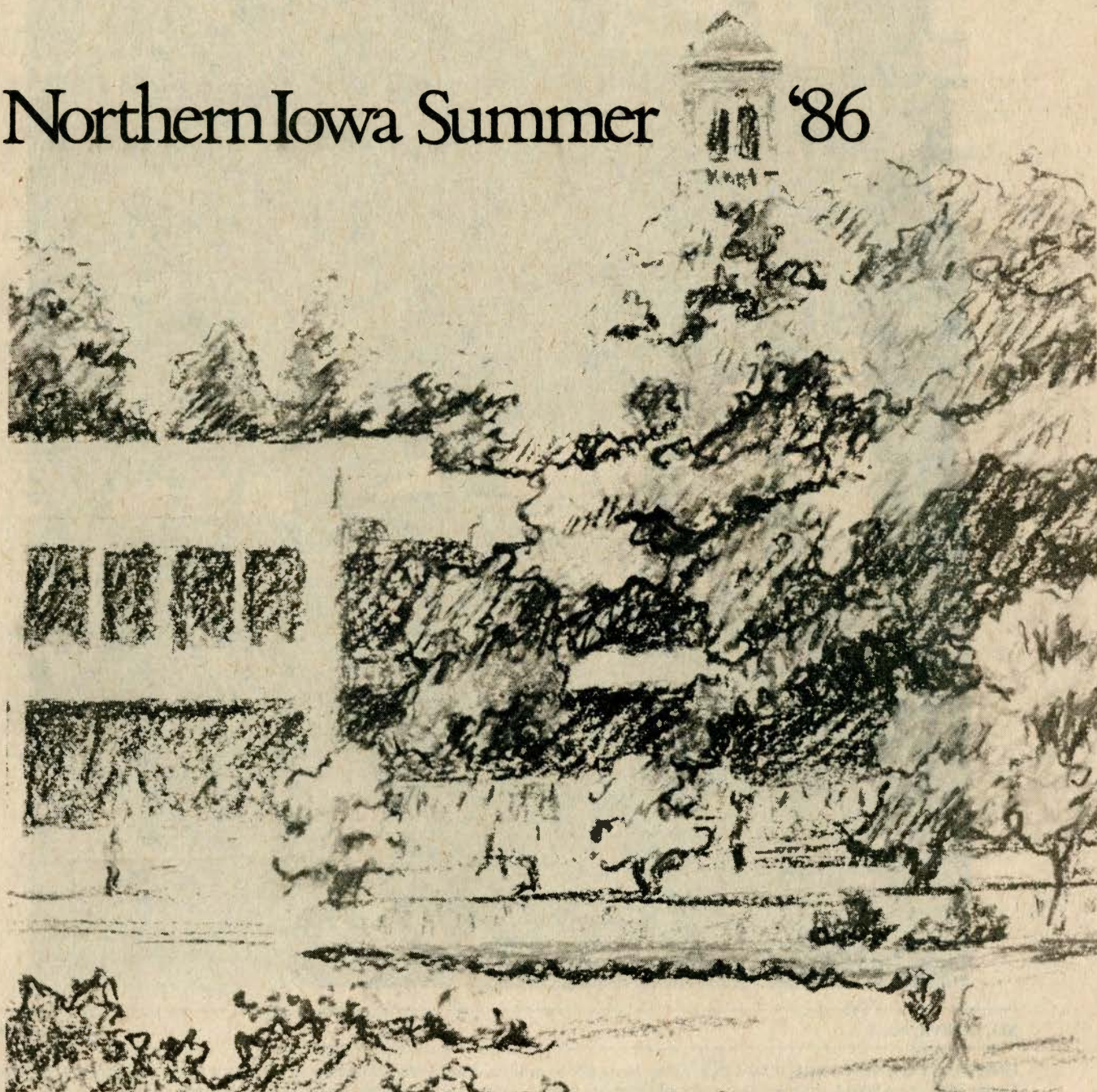
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University of Northern Iowa Bulletin

8-Week Session: June 9-August 1

4-Week Sessions: June 9-July 3 and July 7-August 1
(Registration Day — June 6)

Northern Iowa Summer '86





Summer '86 June 9-Aug 1

Schedule of Classes

University of Northern Iowa
Cedar Falls, Iowa 50614

(Every effort has been made to make this Bulletin accurate as of the date of publication; however, all policies, procedures, fees and charges are subject to change at any time by appropriate action of the faculty, the University administration, or the State Board of Regents.)

Further Information

For further information write to:

Registrar
University of Northern Iowa
Cedar Falls, Iowa 50614

Or call:

General university information (319) 273-2311
Undergraduate admissions 273-2281
Graduate admissions 273-2623
Scheduling and registration procedures ... 273-2110

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1986 Summer Calendar

Class Scheduling

Summer session class periods are 60 minutes each with 10-minute intervals between periods, beginning at 7:30 a.m. and running throughout the day. No classes will be held on Friday, July 4.

Summer Office Hours

University offices are open from 7:30 a.m. to 4:30 p.m., Monday through Friday, during the summer. Offices will be closed for Independence Day on Friday, July 4.

Regular Sessions

8-Week Session June 9-August 1
First 4-Week Session June 9-July 3
Second 4-Week Session July 7-August 1
Registration, 7:30 a.m.-4 p.m. — June 6, Friday
Classes begin, 7:30 a.m. — June 9, Monday
Legal Holiday — no classes — July 4, Friday
End of Regular Summer Sessions, 4:40 p.m. — August 1, Friday
Commencement, 7:30 p.m. — August 1, Friday

Dates to Observe

Mon., June 9 — Classes begin.
Thur., June 12, 4:30 p.m. — Last day to add first 4-week session course for credit.
Thur., June 12, 4:30 p.m. — Last day to drop first 4-week session course with no report.
Thur., June 12, 4:30 p.m. — Last day to change first 4-week session course to or from Audit.
Thur., June 12, 4:30 p.m. — Fees for first 4-week courses based on load at 4:30 p.m.
Tues., June 17, 4:30 p.m. — Last day to add 8-week session course for credit.
Tues., June 17, 4:30 p.m. — Last day to drop 8-week session course with no report.
Tues., June 17, 4:30 p.m. — Last day to change 8-week session course to or from Audit.
Tues., June 17, 4:30 p.m. — Fees for 8-week courses based on load at 4:30 p.m.
Tues., June 17, 4:30 p.m. — Last day to change 8-week or first 4-week course without \$5.00 charge.
Thur., June 19, 4:30 p.m. — Last day to drop first 4-week session course without "F".
Thur., June 19, 4:30 p.m. — Last day to change first 4-week session course to or from ungraded credit. (See *note below.)

Wed., July 2, 4:30 p.m. — Last day to drop 8-week session course without "F".

Wed., July 2, 4:30 p.m. — Last day to change 8-week session course to or from ungraded credit. (See *note below).

Fri., July 4 — Legal Holiday — No classes; all University offices closed.

Mon., July 7 — Second 4-week session begins; 8-week session continues.

Mon., July 7, 4:30 p.m. — University bill is due.

Thur., July 10, 4:30 p.m. — Last day to add second 4-week session course for credit.

Thur., July 10, 4:30 p.m. — Last day to drop second 4-week session course with no report.

Thur., July 10, 4:30 p.m. — Last day to change second 4-week session course to or from Audit.

Thur., July 10, 4:30 p.m. — Fees for second 4-week courses are based on load at 4:30 p.m.

Thur., July 10, 4:30 p.m. — Last day to change a second 4-week course without \$5.00 charge.

Thur., July 17, 4:30 p.m. — Last day to drop second 4-week session course without "F".

Thur., July 17, 4:30 p.m. — Last day to change second 4-week session course to or from ungraded credit. (See *note below.)

Fri., August 1 — Summer sessions end.

Fri., August 1 — Commencement.

Mon., August 4, 4:30 p.m. — University bill is due.

*Students are reminded that only one change per course may be made to or from ungraded basis. Once a change has been made, the student cannot again change that course to or from ungraded credit.

Notice —

Students, faculty, and staff are urged to read the information contained on pages 6 through 13. These pages contain information important to students throughout the summer session.

Students should keep the copy of the Schedule Book so it will be readily available for reference during the summer session.

Students should retain the copy of the schedule of classes for which they register.

Special Programs

Iowa Lakeside Laboratory

First Session June 9-July 11
Second Session July 14-August 15

UNI Institute for Environmental Education

Eight 1-week sessions June 1-August 1

The following courses in environmental education will be offered at the Conservation Education Center in Springbrook State Park near Guthrie Center, Iowa. Courses are appropriate for teachers, K-12, and many have an interdisciplinary approach.

June 1-6 Iowa Birds 1 hour
June 8-13 Iowa Small Mammals 1 hour
June 15-20 Iowa Fungi 2 hours
June 22-27 Acid Rain Problems 2 hours
July 6-11 Integrating Science and Art .. 2 hours
July 13-18 Current Environmental

Issues 2 hours
July 20-25 Nature Photography 1 hour
Native Iowa Plants 1 hour

July 27- Aug 1 Aquatic Insects 1 hour
Aug 1 Iowa Prairies 2 hours

See also the listing for OUTLOOK — Environmental Education Enrichment

The dormitories, dining hall, lounge building and classroom buildings at the Conservation Education Center are all air-conditioned.

Program Director: Dr. David McCalley

For more information contact University Continuing Education and Special Programs. (319) 273-2121.

Institutes and Tours Abroad*

Regents' French Study Program

Abroad May 31-July 19

Regents' Hispanic Institute

Abroad June 1-July 27

Regents' Program Abroad in Austria .. June 7-August 4

Summer Institute in France for

Teachers of French June 21-August 9

Summer Institute in Austria for

Teachers of German June 27-August 15

Summer Institute in Spain for

Teachers of Spanish June 19-August 14

Portuguese Summer Institute in

Coimbra, Portugal June 19-August 14

*See pages 26-27 for descriptions of individual institutes and tours.

On-Campus Programs

UNI Repertory Theatre May 30-August 2
Culture and Intensive English

Program June 5-August 1

Iowa Coaching Endorsement/Authorization

Program June 9-August 1

A separate brochure listing workshops and short courses will be available upon request.

Guide to Course Numbers

Alphabetical Order

12	Accounting	33
99	Anthropology	52
60	Art	47
84	Biology	50
86	Chemistry	50
50	Communication and Theatre Arts	45
51	Communicative Disorders	45
81	Computer Science	49
29	Counseling	39
87	Earth Science	50
92	Economics	51
27	Educational Administration	38
19	Educational, Interdepartmental	35
24	Educational Media	37
20	Educational Psychology	35
21	Elementary and Middle School/Junior High	35
62	English Language and Literature	47
72	French	48
97	Geography	52
74	German	xx
41	Health	41
96	History	51
31	Home Economics	40
68	Humanities	48
00	Individual Studies	33
33	Industrial Technology	40
18	Information Management	34
66	Journalism	48
70	Languages	xx
35	Library Science	41
63	Linguistics	47
15	Management	34
13	Marketing	33
80	Mathematics	49
25	Measurement and Research	38
08	Military Science	xx
52	Music	46
54	Music, Applied	46
57	Music Education and Methods	46
59	Music Literature	46
53	Music Organization and Ensembles	xx
56	Music Techniques	46
58	Music Theory	46
65	Philosophy	47
42	Physical Education	42
88	Physics	51
94	Political Science	51
79	Portuguese	xx
40	Psychology	41
23	Reading	37
43	Recreation	44
64	Religion	47
77	Russian	xx
30	Safety Education	39
82	Science	49
26	Social Foundations	xx
90	Social Science	51
45	Social Work	45
98	Sociology	xx
78	Spanish	48
22	Special Education	36
50	Speech (see Communication and Theatre Arts)	45
51	Speech Pathology (see Communicative Disorders)	45
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01	University, Interdisciplinary	33

University of Northern Iowa

1986 Summer Program

The University of Northern Iowa is recognized as one of the nation's leading institutions in the field of education and includes in its broad offerings degree programs in both liberal and vocational arts as well as research and educational services. Northern Iowa offers six baccalaureate degrees: the traditional Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Music, Bachelor of Science, and Bachelor of Technology degrees, and the non-traditional Bachelor of Liberal Studies. The B.A. and B.Tech degrees are available in programs with certification to teach and in programs without certification. The Bachelor of Music also offers one program with certification to teach. Undergraduate degree curricula are available in approximately 60 areas of specialization. On the graduate level, the University offers eight degrees: the Master of Arts, the Master of Arts in Education, the Master of Business Administration, the Master of Music, the Specialist, the Specialist in Education, the Doctor of Industrial Technology, and the Doctor of Education.

Summer sessions at Northern Iowa are designed to provide a variety of educational opportunities. Advanced and specialized study is offered in many fields giving a student the opportunity to enrich his or her knowledge in a particular field, and some course work offered is especially suited to the summer season as it could not be offered as effectively at another time of the year. Students wishing to accelerate their academic programs or to make up course deficiencies will find a wide variety of courses available. Elementary and secondary school teachers have an opportunity to renew professional certificates, to qualify for advanced certificates, or to prepare for teaching additional subject areas as well as to update competence in a specific academic area.

In the summer of 1986, the University of Northern Iowa will offer the traditional 8-week summer session, two consecutive 4-week sessions during the same weeks as the 8-week session, as well as several 2- or 3-week sessions. In addition, a variety of study tours, institutes, and workshops will be held both on campus and abroad.

Complete details for summer registration and classes are given in the Schedule of Classes beginning on page 32 of this Bulletin. General information on registration and admission precedes the listing of the courses which will be offered during the 1986 summer session and the schedule of these classes. The statement of fees for the summer session and related information is also printed in this section. The last day of registration for the 1986 summer session and the

first 4-week session is Monday, June 9. On-campus classes begin on Monday, June 9, for the 8-week session and the first 4-week session; classes for the second 4-week session begin on Monday, July 7. New students will be receiving registration information by way of mail from Academic Advising Services.

Courses will be available during the 8-week session in most undergraduate and graduate majors as well as many General Education courses. Courses in the Common Professional Sequence will be offered in both the 4- and 8-week sessions. The 4-week sessions will make available courses which are especially adaptable to concentrated work and study and some of these courses may be taken concurrently with work on the 8-week session. All categories of courses are indicated in the Schedule of Classes listed in the center of this Bulletin. Special provisional programs are offered for new freshman students who may be advised or required by the Director of Admissions to begin their university studies during the summer session as a condition for admission.

Students graduating from high school in the spring of 1986 are invited to consider the special advantages of beginning their college studies during the summer session. Along with the excellent range of freshman courses available, the campus is less crowded and there is a special warmth of informality and friendliness in summer school. Most important, freshmen who enter the University in the summer can make an easy transition from high school to college and be well established as continuing students when the fall semester begins.

The **graduate** program provides an extensive array of offerings during the summer session. It is possible to complete most graduate degree programs entirely by summer sessions. A rich and varied program of special events helps make the summer session particularly attractive to graduate students.

Transfer students find it advantageous to make the transition to Northern Iowa during the summer sessions, and both sessions have a variety of courses available to these students. UNI is also a convenient place for **unclassified students** to take work in the summer and special arrangements are made for these students. Non-credit programs held throughout the summer for high school students are described on page 29.

Particular efforts are made in the summer session to provide for the needs of **teachers** who will be returning to the campus for further work in their

teaching specialties, to complete requirements for advanced degrees, and to renew their teaching credentials. **Experienced teachers** working toward the completion of the bachelor's degree will find the summer session geared to their special needs. Upper-level undergraduate courses are available in subject-matter areas and in professional education, and the variety is sufficient to meet individual needs. Of special interest to teachers are the many workshops offered for credit throughout the summer.

The Lakeside Laboratory at Lake Okoboji, operated in cooperation with Iowa State University and the University of Iowa, will offer two sessions of five weeks each. Information concerning this program may be obtained from the UNI Department of Biology. Special institutes and workshops will be conducted as in previous summers.

The regular staff of the University is supplemented by a number of visiting instructors coming from various parts of the nation and from abroad. Visiting lecturers of national and international reputation are engaged to present topics of both general and special interest. All of this serves to make the Northern Iowa campus a live and vital center of learning, a truly stimulating place to spend the summer.

Northern Iowa

The University of Northern Iowa was created by an act of Iowa's Sixteenth General Assembly as the Iowa State Normal School which opened on September 6, 1876. UNI has grown from the original site of 40 acres with one building until it now has a campus of approximately 751 acres with 57 principal buildings and some 600 faculty members. The University is located in Cedar Falls, north and east of the geographic center of Iowa on the Cedar River and in the center of Iowa's interest and recreation areas. Together with the University of Iowa and Iowa State University of Science and Technology, Northern Iowa is governed by the State Board of Regents.

Academic Standing of the University

The University of Northern Iowa is accredited through the master's degrees, the specialist's degrees, and doctoral degrees in Industrial Technology (DIT) and several areas in Education (Ed.D.), by the North Central Association of Colleges and Secondary Schools (NCA). The University is also accredited by the National Council for Accreditation of Teacher Education (NCATE). The University is a member of the Council of Graduate Schools in the United States and the American Association of Colleges for Teacher Education (AACTE). The University's programs are accredited by the following professional accrediting agencies: the National Association of Schools of Music, the National Association of Schools of Art, the National Council of Social Work Education, the American Speech-Language-Hearing Association, and the American Home Economics Association. Programs are also approved by the Iowa State Department of Public Instruction, the National University Extension Association, and the American Chemical Society. In addition, the University Museum is accredited by the American Association of Museums.

Nondiscrimination Policy of the University of Northern Iowa

The University of Northern Iowa has adopted a policy and practice of nondiscrimination and affirmative action in employment and educational opportunities in accordance with public policy and law, including the Equal Pay Act of 1963, Executive Orders #11246 and #11375, Revised Order #4, Title VI and Title VII of the Civil Rights Act of 1964, Title IX of the Educational Amendments of 1972, Sections 503 and 504 of the Rehabilitation Act of 1973, the Age Discrimination Act of 1975, the Vietnam Era Veterans' Readjustment Act of 1974, and other relevant legislation and state and federal executive orders.

The University is committed to a policy of equal opportunity without regard to race, religion, national origin, age, sex, or handicaps, and to a policy of affirmative action for protected classes.

This policy must be implemented throughout the University and is the responsibility of all employees of the University, including both supervisory and nonsupervisory personnel. It involves all students and student activities.

The University of Northern Iowa upholds its long-standing commitment to providing equal accessibility to programs and facilities for all segments of society — this includes all protected classes, including the handicapped. In the last several years the University has reviewed its entire program for its accessibility to qualified persons and is prepared to make any necessary adjustments to assure equal accessibility for the handicapped to all University programs.

In an endeavor to achieve these goals, University buildings and grounds have been modified to be accessible to people with physical handicaps. Further, requests for reasonable modifications which are requested to accommodate the needs of any individual student may be made to the Affirmative Action Officer, Room 126, Gilchrist Hall (Ext. 2846). It is the intention and desire of the University to make every effort to provide such modification on a timely basis.

Registration Procedures

New Students

New students, both graduate and undergraduate, cannot register for classes until all requirements for admission to the University are met.

New **graduate** students (after admission requirements are met) will register in accordance with the procedure set out below for former students.

New **undergraduate** students (after admission requirements are met) will receive their registration materials in connection with the orientation program for such students, and will be given further instructions for completing registration during the new student orientation program.

Former Students

All students who are not currently enrolled and who plan to attend the summer session must file a *notice of intent to register*. This notice must be filed at the Registrar's Office before registration materials can be prepared.

Students who intend to register during the advance registration period must file this notice of intent no later than February 25, 1986.

For registration on June 9, the *notice of intent to register* must be filed by May 27, 1986. On June 6 students will pick up registration materials at the Registrar's Office and register at the Scheduling Office, Room 243, Gilchrist Hall.

Students planning to register at times other than those specified above must file the *notice of intent to register* at least two weeks in advance of the date they intend to register.

Currently Enrolled Students

If you are currently enrolled during the spring semester 1986, registration materials for the summer session 1986 will automatically be prepared for you. It is not necessary for you to file an intent to register.

Undergraduate students enrolled for the 1986 spring semester who plan to graduate in May, 1986, and intend to continue as graduate students must file an application for graduate study before summer registration can be completed.

Both Former and Currently Enrolled Students

Students who have unpaid accounts or other irregularities will be delayed in registering until these matters are cleared.

Housing arrangements should be made as soon as possible.

Procedures for Registration

The following procedure should be used at time of registration:

1. Present ID card at Registrar's Office and pick up registration materials.
2. Fill out the registration form, answering all questions.
3. See adviser and have the schedule approved. Advisers should be in their offices.
4. Students should retain the copy of the schedule of classes for which they register.
5. Register in the Scheduling Office, Room 243, Gilchrist Hall. This is to be done on or after the date and hour specified on the registration form. Be sure you receive a validated registration certificate.

Registration by Mail

Former students and new students who have been admitted to the University and plan to enroll for the 1986 summer session for one class may register by mail. Mail-in registrations will be accepted through May 29, 1986, for the 8-week and first 4-week sessions, and June 27 for the second 4-week session.

Telephone Registration — May 19-29, 1986

Former students and new students intending to limit their registration to one class may register by telephone between May 19-29, 1986, between 8 a.m. and 4 p.m. New students will be admitted as unclassified. New students contact the Admission Office (319) 273-2281. Former students contact the Scheduling Office (319) 273-2110.

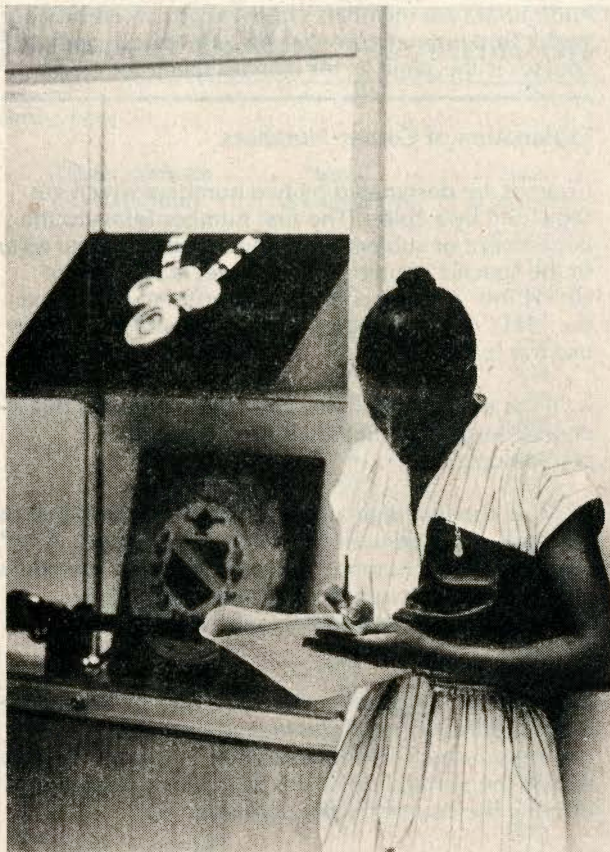
Telephone registrations will be accepted only for courses that do not require special approvals, or which previous approval has been granted. Approvals must be on file in the Scheduling Office before the telephone registration will be processed.

Advance Registration Schedule

Current and Former Students

The day and hour for registration will be printed on your registration form. If you cannot register on your assigned day, you may register at 8-9 a.m. or 4-5 p.m. any day following your assigned time.

Second B.A. students will register as juniors for all courses in the school of Business. Other students will register using their classification at the end of the fall 1985 session. Spring 1986 hours will not be used.



Late Registration

For the 8-week session and the first 4-week session, registration after June 9, 1986, will be considered a late registration and a \$10 late-registration fee will be charged to all students who register for these sessions after that date.

For the second 4-week session, registration after July 7, 1986, will be considered a late registration, and the \$10 late-registration fee will apply.

A number of short courses (two and three weeks) are listed in the Schedule. Students registering for one of these short courses may do so up to the day the class meets for the first time. Students registered for other courses may add one of these short courses up to the first day of class following the change-of-registration procedure. Of course, maximum load limits, which are set forth elsewhere in this portion of the Schedule, must be observed.

Closed Classes

Written permission to enroll in a class which is closed must be secured from the head of the department in which the course is offered. In some instances, the department head may ask the student to consult the instructor to see whether there is room in the class; however, the final approval must come from the head of the department.

Change of Registration

Changes of registration will not be accepted until after March 31, 1986.

If a change of schedule is necessary:

1. See adviser and fill out a *Change of Registration* form.
2. Take the form to the Scheduling Office and complete the change there.
3. A fee of \$5 will be assessed for each *Change of Registration* form after the last day to add a course without departmental approval.

The change of registration is not effective until the form is filed in the scheduling office, and the date filed in the scheduling office is the effective date of change.

Classification	Terminal Digits of Student Number	Pick up registration materials on or after	Register in Scheduling Office 8 a.m.-5 p.m on or after
Graduates		Mar 6	Mar 7
Seniors (Students with 90 or more hours at end of fall semester)	50-99 00-49	Mar 7 10	Mar 10 11
Juniors (Students with 60-89 hours credit at end of fall semester)	50-99 00-49	Mar 11 12	Mar 12 13
Sophomores (Students with 30-59 hours credit at end of fall semester)	75-09 10-42 43-74	Mar 13 14 24	Mar 14 24 25
Freshmen (Students with less than 30 hours credit at end of fall semester)	50-99 00-49	Mar 25 26	Mar 26 27
Unclassified and special		Mar 27	Mar 28

Student Load

Undergraduate Students

The normal maximum student load is one credit hour per week of instruction; thus, except as noted below, students enrolling for eight (8) weeks may carry a maximum of 8 semester hours; those enrolling for four (4) weeks may carry a maximum of 4 semester hours. A student with at least a 2.0 cumulative grade point average may register for 9 semester hours without special permission provided that all of the courses extend for the entire 8 week period. A load composed of 6 semester hours taken in the 8 week session with 3 semester hours in either of the 4 week sessions will not fall within the acceptable load limits.

Exceptions to these load restrictions require the signatures of the student's adviser and the Assistant Vice President of Academic Affairs on a Student Request Form. A load of 5 hours in four weeks requires that a student have at least a 3.0 cumulative grade point average. Loads of more than 5 hours in four weeks or 10 hours in eight weeks are very rarely approved.

Graduate Students

The maximum graduate student load during the 8-week summer session is 8 semester hours; that normally permitted during each 4-week summer session is 4 semester hours; that during a 2-week session is 2 hours. Exceptions to these load restrictions may be granted only by the Dean of the Graduate College.

Repeating Courses

Students must identify on the registration form any course which is being repeated by indicating an "&" in the special symbol column on the registration form.

Auditing Classes

Students may register to audit a course by indicating "A" in the special symbol column on the registration form. The student's name will appear on class and grade lists with audit identified. Student grade reports and transcripts of student records will not automatically show course listing or notation of audit if the student is registered for other courses. Students registered only for audit would have a grade report and a transcript listing which would show only the word "audit." In either case, the course title would not be listed unless a student request approved by the instructor showing the student regularly attended the course is filed in the Office of the Registrar.

Registration for the 1986 summer session may not be changed from credit to audit after June 12, 1986 for the first 4-week classes; June 17 for 8-week classes; and July 10 for second 4-week classes. Students registering as auditors may change to registration for credit upon recommendation of the course instructor and approval of the Assistant Vice President for Academic Affairs. The appropriate change of fee assessment, if any, will be made.

Audit hours are included in the maximum credit hour load a student may take. Fee assessment for audited courses is the same as for courses taken for credit.

Explanation of Course Numbers

Courses are designated by two numbers which are separated by a colon. The first number refers to the department or subject area; the second number refers to the specific course. For example, in the course 60:111 the "60" refers to the Department of Art and the "111" refers to the course. In registration always use the full number.

A "0" as the first digit after the colon indicates this is a course designed primarily for freshmen and sophomores.

A "1" as the first digit after the colon indicates that the course is open primarily to juniors and seniors. A "g" after the course number (60:111g) indicates the course carries graduate credit for graduate students; however, juniors and seniors may enroll in these courses.

When the first digit after the colon is a "2" the course is open primarily to graduate students, and undergraduates seeking admission to the course must secure the permission of the head of the department offering the course before enrolling.

If the first digit after the colon is a "3" this indicates a course which is open primarily to doctoral students, and graduates seeking admission to the course must secure permission of the head of the department offering the course.

Sections numbered in the 80's (or "8" and a letter) will meet the first four weeks of the summer session. Sections numbered in the 90's (or "9" and a letter) will meet the second four weeks of the summer session.

Prerequisites

An entry in parentheses after a course title indicates a prerequisite to be satisfied before enrolling for this course.

Special Sections

Some course listings and section numbers are followed by a letter. The meaning of these designations is as follows:

- L Lower Elementary
- U Upper Elementary

Some course listings and section numbers are preceded by "eve." These are evening classes.

Fees and Billing Information

Basic Fees

Undergraduate Credit Hours	*Iowa Residents	*Non- Residents
1	\$112	\$ 112
2	112	112
3	168	168
4	224	224
5	280	670
6	336	804
7	392	938
8	448	1072
9	504	1206
10	560	1340
11	616	1474
12 or more	662	1597

Graduate Credit Hours	*Iowa Residents	*Non- Residents
1	\$164	\$ 164
2	164	164
3	246	246
4	328	328
5	410	980
6	492	1176
7	574	1372
8	656	1568
9 or more	738	1762

*See the UNI Catalog for classification of residents and nonresidents.

Workshops

Fees for workshops are paid on a credit hour basis of \$72 per credit hour, without regard to classification or resident status, and are assessed separately from the above schedule.

Other Fees

Application for Admission	\$ 10
Applied Music — in addition to tuition, Private lesson (½ hr. per week)	50
Private lesson (1 hr. per week)	85
Group Voice, Group Piano (groups of 4 or more), per credit hour	30
Departmental Exam for Credit per exam	56
Late Registration	10
Transcript of Academic Record — One transcript	3
Multiple copies, same order — First copy	3
Each additional copy	1

Change of Registration per form	5
Correspondence Study, per credit hour	42
Writing Competency Exam for students not registered	56
Minimum fee for remedial courses carrying zero credit hours	112
Open Credit per project	112
Auditors (visitors) — pay the same fees as regular students enrolled for credit.	
ID Card Replacement	6
Lakeside Lab, per 5 weeks	275
Returned Check Charge	5

Room and Board

8-week session, or two 4-week sessions	\$473.50
One 4-week session	236.75

(Fees are based on double occupancy and full board.)

Fee Billing and Payment

The University of Northern Iowa has a student-accounts-receivable billing system through which tuition and fees, residence hall contract amounts, family student housing rents, and various other charges are billed. All tuition and fees for the regular summer session, pre- and post-session, and summer session workshops will be billed through this system. **However, there is no installment payment program for tuition and fees or for residence hall contract amounts for the summer session.** The following billing and payment dates will apply for summer session 1986:

Approximate billing dates	Due date/Cancellation dates
June 16	July 7
July 15	August 5
August 15	September 5

Please note:

1. The June 16 billing will include tuition and fees for all courses for which registrations have been processed through June 12. It also will include all residence hall contract amounts processed through June 12.
2. The July 15 billing will include all new charges from registrations processed after June 12 and through July 11. Primarily this will be for registrations for the second 4-week session plus workshops beginning after June 12 that were not processed in time to be included in the June 16 billing. This billing also will include any other charges that were not included in the June 16 billings.

3. The August 15 billing will include any charges for the summer session that were not included in the June or July billings.

The June and July billings will be mailed to the address listed by the student as the address at which mail can be received while attending the summer session. The August billing will be mailed to the home address. Payment by check or money order may be mailed to the UNI Controller's Office. Such payments must be received in the Controller's Office not later than the payment due date.

Each student is responsible for maintaining with the University an address at which mail can be received while the student is attending the summer session. A **change of address** form must be completed and returned to the Registrar's Office if a student changes address after registering for the summer session.

An account unpaid by the payment due date will be reported to the Registrar's Office for cancellation of registration. If a student's registration is cancelled, a reinstatement fee of \$10 and all existing indebtedness must be paid within five (5) days after the cancellation becomes effective or the privilege of reinstatement may be denied. Reinstatements after the term will require special approval and a \$50 reinstatement fee.

Any student who does not receive an invoice within a reasonable length of time from billing date (and before payment due date) is expected to inquire at the Controller's Office, Room 256, Gilchrist Hall.

Mastercard (formerly Master Charge) is available for student use.

Any financial assistance from the University must be arranged through the Financial Aids Office, Room 124, Gilchrist Hall.

Information on Withdrawals

The following information applies to students who withdraw completely from school during the summer session. Dropping one or more classes does not constitute a withdrawal unless the student drops *all* classes for which he or she is registered. (See withdrawal procedure.) The student should not attempt to withdraw from all of his or her courses by filing a *change of registration* form, but should contact the Registrar's Office to initiate the withdrawal process. (If all courses are dropped by the student, this is a withdrawal and should not be considered a "change of registration.")

Withdrawal Procedure

A student who has started attending classes who finds it necessary to withdraw from school initiates the withdrawal through the Office of the Registrar. The student living in a residence hall also must cancel the housing contract, signed by the student at the time of enrollment, by contacting the director of the residence hall in which he or she lives.

A student who has enrolled but decides not to come to the University of Northern Iowa should advise the Registrar's Office, in writing, at the earliest possible date (and before classes begin) to cancel the registration, giving the reason(s) for withdrawing from the University.

Withdrawal after classes begin will result in a tuition charge. Failure to notify the Office of the Registrar of a withdrawal will result in the student's receiving a bill for tuition and fees.

Withdrawal Refunds

If credit is earned during the period of enrollment, there is no refund or reduction of academic fees. For any 1-, 2-, or 3-week session there is no refund. Room and Board refunds are made according to the agreement set out in the "Contract for Room and Board" signed by the student at the time of enrollment.

A student who has registered is considered enrolled. Tuition is refundable on the basis of the percentage table given below. The effective date of the withdrawal is the date the official withdrawal form is completed in the Office of the Registrar.

Notice of withdrawing must be received by 4:30 p.m. on date shown to receive percentage applicable:

Regular Schedule	Short Schedule First 4 Weeks	Short Schedule Second 4 Weeks
June 11	June 11	July 9
June 13	June 13	July 11
June 17	June 17	July 15
June 19		

Percentage Refundable

Regular Schedule	Short Schedule	Time
90%	90%	1-3 days*
75%	50%	4-5 days
50%	25%	6-7 days
25%	0%	8-9 days
0%	0%	10 or more

*Days are class days. Day count begins with the day summer session classes begin. June 9, 1986, is the beginning date for the 8-week and first 4-week sessions. July 7, 1986, is the beginning date for the second 4-week session.

The manner in which the refund schedules will be applied is as follows:

1. All courses scheduled for 8-week session: Apply Regular Schedule.
2. All courses scheduled for 8-week session and first 4-week session —
 - a. Withdrawals during first 4-week session: Apply Regular Schedule
 - b. Withdrawals during second 4-week session: No refund

3. All courses scheduled for 8-week session and second 4-week session —
 - a. Withdrawals during first 4-week session: Charges for courses on 8-week session are calculated and refund made on basis of Regular Schedule. Second 4-week fee charges fully refunded.
 - b. Withdrawals during second 4-week session: Charges for courses on 8-week session are calculated and there is no refund on this amount. Second 4-week fee charges are refunded on the basis of the Second 4-week Short Schedule.
4. All courses scheduled for both first and second 4-week sessions —
 - a. Withdrawals during first 4-week session: Charges for courses on the first 4-week session are calculated and refund made on basis of First 4-week Short Schedule. Second 4-week fee charges fully refunded.
 - b. Withdrawals during second 4-week session: Charges for courses on first 4-week session are calculated and there is no refund on this amount. Second 4-week fee charges are refunded on the basis of the Second 4-week Short Schedule.
5. Workshop fee is not refundable after class has begun.

Information for Veterans

Veterans who are enrolling for the first time at the University of Northern Iowa and are planning to receive assistance from the Veterans Administration should notify the University's Office of the Registrar. Veterans who intend to enroll for workshops, special programs, or are graduate students intending to engage in research or other exceptional educational activities should also consult with the Office of the Registrar for exceptions to VA specifications.

V.A. Specifications — 1986 Summer Session

Subsistence:	Undergraduate	Graduate
Full allowance	6 hours	5 hours
$\frac{3}{4}$ allowance	4-5 hours	4 hours
$\frac{1}{2}$ allowance	3 hours	3 hours
Tuition assistance only	1-2 hours	1-2 hours

The above specifications are subject to the exception listed below. Veterans to whom an exception applies must check with the Registrar's Office prior to registration.

1. The above specifications apply only to 8-week courses. For the specifications which apply to 4-week courses or a combination, consult the Office of the Registrar.
2. The University will certify veterans for repeating courses only if a grade of "F" was received in the course.
3. Undergraduate students will only be certified for courses which apply to a specific program.

4. Graduate students will be certified only for courses which apply to a specific program.
5. Graduate students are required to submit a statement of graduate intent prior to the initial semester (session) of registration. Graduate students are required to complete an enrollment permit for each session they attend. See the Office of the Registrar for these forms.
6. Graduate students taking undergraduate courses will be subject to the undergraduate regulations for determining full-time and part-time enrollment.
7. Veterans enrolling in courses on Credit/No Credit basis and in courses offered by arrangement should consult the Office of the Registrar.
8. Withdrawal from a course with a "W" can result in costly repayments to the VA. Veterans should consult with the Registrar's Office for more information.
9. Any veteran cited for non-attendance must be reported to the VA; training level will be adjusted in that term relate to the last date of attendance as reported by the instructor.

To make application for VA assistance, visit the Office of the Registrar, Room 227, Gilchrist Hall, on Mondays, Tuesdays and Thursdays, only.

Graduate and Undergraduate Examinations

College Level Examination Program (CLEP)

General Examinations

The General CLEP Examinations (except the English Composition with Essay) will be given on the dates and at the times in the following schedule:

Test Dates	Times
Monday, June 2, 1986	8 a.m., 10 a.m., 1 p.m., 3 p.m.
Wednesday, July 2, 1986	8 a.m., 10 a.m., 1 p.m., 3 p.m.
Monday, August 25, 1986	8 a.m., 10 a.m., 1 p.m., 3 p.m.
Tuesday, August 26, 1986	8 a.m., 10 a.m., 1 p.m., 3 p.m.

Students wishing to take any General CLEP Examinations **must** register in advance with the Examination Services, Room 161, Baker Hall, 273-6023. The registration deadline is the last working day before the test date listed.

The **CLEP English Composition with Essay** will be given on Wednesday, June 11, 1986 at 3 p.m. (registration deadline May 1, 1986). This is the only administration of this examination during the summer semester.

Subject Examinations

The Subject CLEP Examinations will be given on the dates and times in the following schedule. Also note the registration deadlines.

Test Dates	Registration Deadline	Times
Monday, June 2, 1986	May 1, 1986	8, 10, 1, 3
Wednesday, July 2, 1986	June 2, 1986	8, 10, 1, 3
Wednesday, August 27, 1986	August 1, 1986	8, 10, 1, 3

Students wishing to take Subject CLEP Examinations MUST register in advance with the Examination Services, Room 161, Baker Hall, 273-6023. The registration deadline is the first working day of the month prior to testing.

Graduate Tests for Graduate Students

After meeting with your adviser and/or department head to determine which test or tests you are required to take, you may obtain registration forms and additional information by contacting Examination Services, Room 161, Baker Hall, 273-6023.

Graduate Record Examination (GRE): The GRE will be given June 7, 1986 (registration deadline May 2, 1986).

Graduate Management Admissions Test (GMAT): The GMAT will be given June 21, 1986 (registration deadline May 19, 1986).

Law School Admissions Test (LSAT): The LSAT will be given June 16, 1986. Arrangements for other examinations, i.e., Miller Analogies Test (MAT) and California Achievement Test (CAT), etc., may be made individually with Examination Services. Advance registration is required.

Miscellaneous Information

Credit/No Credit

An undergraduate student having earned twelve (12) semester hours of credit at this University may take courses offered by this institution for which the student is otherwise eligible for degree credit without grade under the following conditions:

1. The course work requirements for a student taking work on an ungraded basis shall be the same as for a student taking the work on a graded basis.
2. A grade of C- or higher is required in a course to receive credit on the "Credit/No Credit" option.
3. Not more than 22 hours of ungraded course work in addition to courses authorized to be offered only for ungraded credit may be taken toward any bachelor's degree.
4. Ungraded credit may not be applied to work required for a major or minor except with the consent of the head of the department in which the course is offered.
5. No course taken on the "Credit/No Credit" option may be applied toward fulfilling a General Education requirement.
6. Except for *Field Experience: Exploring Teaching* (20:017); *Field Experience: Teacher as Change Agent* (20:018); and *Student Teaching* (28:xxx), ungraded credit may not be used in the Common Professional Sequence requirements for the teaching program.

7. Course work passed without grade may not be retaken except by special permission of the dean of the college in which the course is offered.
 8. A graded course completed may not be retaken on an ungraded basis.
 9. The Credit/No Credit system may not be used with Credit by Examination, Extension, or Correspondence courses.
 10. Change of registration in a course to or from a non-graded basis may not be made after five (5) class days beyond midterm in a full, academic-year semester, or after the mid-point in the duration of a course taught in a period less than a full, academic-year semester. Only one such change of registration may be made per course.
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Grade Reports

Copies of grade reports are not sent to parents without the authorization of the student. Such authorization may be signed at the Registrar's Office.

Grade reports will be mailed to the **home address** on August 11, 1986. A stamped, self-addressed envelope must be left in the Scheduling Office, Gilchrist 243, if the grade report is to be sent to an address other than the home address.

Student Records

Under the provisions of the Family Educational Rights and Privacy Act of 1974, students attending or who have attended institutions of post-secondary education have the right to inspect and review education records. If a student wishes to see a record, the usual procedure is to contact the custodian of the record. The record will be reviewed in the presence of the person in charge of the record or someone designated by that person. The custodians of education records must respond within 45 days to a student's request to see the record.

If the student has a question concerning information in the record, efforts should be made on an informal basis to resolve the issue. If the informal procedure does not result in a satisfactory resolution, either party may request a hearing before the Student Records Hearing Panel. This Panel is composed of two students, two faculty members, and two administrators.

The University will not permit access to, or the release of, education records or personally identifiable information contained therein (other than Directory Information) to anyone other than the student, University faculty and staff, and officials named in the Act, without the written consent of the student. This written consent must be: 1) signed and dated;



2) specify the records to be released; 3) specify the reasons for such release; and 4) must name the person to whom the record is to be released. This means that parents, spouses, relatives, and friends of students cannot obtain transcripts, registration materials, grade reports, or any other information from a student's record without the written consent of the student. Information may be released in compliance with a judicial order, or pursuant to any lawfully issued subpoena, upon condition that the student is notified of all such orders or subpoenas in advance of the compliance therewith by the University. A communication addressed to the student at the last known address will be considered notification.

The University may release the following "Directory Information" to anyone who requests it without the consent of the student unless the student has requested the University not to release any or all of the information.

1. Student's name, university address, and telephone number.
2. Parents' names, address, and telephone number.
3. Date and place of student's birth.
4. College.
5. Curriculum [major(s) and minor(s)].
6. Classification (year in school).
7. Participation in recognized organizations, activities, and sports.

8. Weight and height of members of athletic teams.
9. Currently enrolled (class schedule).
10. Dates of attendance.
11. Degrees and awards received.
12. The most recent previous educational agency or educational institution attended.

To restrict the release of any of the above Directory Information the student must complete a **suppression request form** which is available from the Registrar's Office.

The form must be completed by the end of the first week of classes to be effective for that term. The form is valid up to one academic year or to the first day of classes for the next fall semester.

Students who have questions concerning their rights under this Act may contact the Registrar's Office or the Office of the Vice President for Educational and Student Services for pertinent information.

The University statement of policy, as required by this Act, is available in the Office of the Vice President for Educational and Student Services, Room 242, Gilchrist Hall.

General Information

The University of Northern Iowa has available for its summer students a wide variety of facilities, services, and activities for educational enrichment beyond the academic work in the classroom, and for assisting the summer student in "everyday" living at UNI. Some of these are described in this section.

Student Services

Residence Halls

(Students attending an institute or workshop should request applications from the director of the institute or workshop in which they are enrolled.)

During the 1986 summer session Dancer and Bartlett Halls will be used for housing undergraduate and graduate students. Sections of Dancer will also be used for short-term workshop participants.

Former students who desire a residence hall room and who are not living on campus during the spring semester should contact the Department of Residence, Redeker Center, UNI, for a housing card **(this reservation should be made at an early date)**. Students on campus during the spring semester who desire summer housing should contact their hall coordinator.

Housing for new students is contingent upon their admission to the University. A housing card will be sent to the new student by the Admissions Office with the notification of admission to the University.

Summer 1986 room and board rates for the 8-week session or two 4-week sessions are \$473.50 for full board, double occupancy, and \$584.50 for full board, single occupancy. Room and board rates for students registered for only one 4-week session are \$236.75 for full board, double occupancy, and \$928.25 for full board, single occupancy. A no-weekend board plan is also being offered with rates as follows: \$458.50 for no-weekend, double occupancy for 8 weeks and \$569.50 for no-weekend, single occupancy. Rates for only one 4-week session are \$229.25 for no-weekend, double occupancy, and \$284.75 for no-weekend, single occupancy. Information on room and board rates for students attending an institute or workshop should be requested directly from the director of the institute or workshop in which the student wishes to enroll.

University Apartments

University Apartments on campus are available during the summer session for married students, single parents and single graduate students. This type of

housing may be obtained at the University Apartments Office, 3900 Jennings Drive, Hillside Courts, Cedar Falls, IA 50613-0295. Applications should be filed well in advance of the session for which housing is desired.

All housing for new students is contingent upon their acceptance of admission to the University.

Food Service

All students enrolled during the 8-week session and living in University residence halls will eat their meals in the Towers Dining Center.

Financial Assistance

The Financial Aids and Student Employment Office provides limited summer assistance in the form of loans (NDSL and GSL), grants (SEOG or Fee Exemptions), and part-time employment. Financial aid awards are usually a combination of these sources put together to make up a financial aid "package." Summer financial aid is conditioned on the availability of funds.

The Financial Aids Office utilizes the Financial Aid Form (FAF) of the College Scholarship Service as the needs analysis document for all programs for all categories of students. Students must be officially admitted to the university before any financial aid offer will be made. Financial Aid Forms and Guaranteed Student Loan applications can be secured from the **Financial Aids and Student Employment Office**, Gilchrist Hall 124, (319) 273-2700.

Handicapped Student Services

This office is designed to work with disabled students in a manner which both meets their unique needs and teaches independence. HSS aims at adapting university services, programs, and facilities so that disabled students may participate in a fully integrated way. Services are individualized as needed with the goal of enhancing the overall academic, career, and personal development of students. We are located in the Counseling Center and can be reached at 273-2676.

UNI Day Care Center

Education Center 103

Summer Hours 7 a.m.-4:30 p.m.

Advanced registration for children, ages 2-5, is recommended.

Advanced registration forms and information available from:

Ms. Debbie Burk
Education Center 103
273-2263

Student Health Services

The Student Health Center provides medical care for all currently enrolled students. The spouse of a student is also eligible for medical services upon payment of the optional Student Activity Fee at the Business Office in Gilchrist Hall.

The Student Health Center facility includes an outpatient clinic, laboratory, X-ray, and pharmacy. A nominal charge is made for these services. All services are provided by a well-qualified staff of physicians, nurses, pharmacist, lab/x-ray technician, health educator and clerical personnel. The medical services include advice and treatment for current illnesses, preventive medicine, as well as mental and physical health care. Although major surgery and dental services are not available, the staff will furnish supervision and aid in obtaining these services when needed.

It is recommended that all students have current immunization. In some cases of illness it may be necessary to have a complete medical history and physical examination before treatment can be carried out. If necessary, the examination can be completed in the Health Center.

During the summer session the Health Center is open from 8 a.m. to 4 p.m., Monday through Friday, excluding holidays.

The Health Center is located on the north side of the campus on 23rd street. It is across the street from Bender and Dancer residence halls, west of Lawther Hall and next door (north) to the Education Center.

Learning Skills Services

Many students are surprised to find that learning skills which were adequate for high school studies are not adequate for university studies. The Learning Skills Center provides a number of services which help students strengthen current skills and develop new learning skills so that they are prepared to meet the challenge of studies at the college level.

The **Learning Strategies Program** offers two courses:

Speed Reading
Effective Study Strategies

The courses are six weeks long and meet for two 50-minute sessions each week. Both courses are free, non-credit and open to any UNI student.

Registration: June 9-13
Classes begin: June 16

In addition you are encouraged to request an appointment with a learning strategies instructor if you have a question or concern about studying.

The **Writing Program** offers individual appointments either on a one-time basis or as a continuing tutorial, depending upon your needs. If you have any question(s) regarding writing, call the Center or come to request an appointment.

To register for a course or request an appointment, call or come in to the **Learning Skills Center, 37 Auditorium, 273-2345.**

Traffic Regulations

University traffic regulations are in force during the summer session. Campus parking is by permit only and is restricted to the areas designated on the permit.

Every vehicle used on the campus by faculty, staff, or students must be registered with the University Security Office and must display a parking permit. The vehicle parking permit fee for students attending the summer session is \$4.25 for C permits and \$6.75 for B permits. Vehicles registered in the previous academic year need not be registered. Individuals enrolled only in a short-term workshop (one week or less) may obtain temporary parking permits at \$2 per week.

A copy of the UNI Motor Vehicle and Bicycle Regulations may be obtained from the University Security Office, Room 104, Gilchrist Hall.

Academic Advising Services

Advising Program — General advisers are available in the Academic Advising Office to assist students in understanding academic requirements and help them in selecting their academic programs. Faculty advisers will be available to assist students in planning summer session schedules. Each student will be assigned to a faculty adviser who teaches in the area of the student's proposed major.

Examination Services — National Standardized Examinations are offered through Examination Services for graduate and undergraduate students. Examination information concerning eligibility, registration, examination preparation, score interpretation, and evaluation is available to students and faculty through the Office of Academic Advising.

Counseling Services

Professional counselors are available in the Student Counseling Center to assist students on an individual or group basis with personal or educational concerns. For more information or an appointment, call (319) 273-2676.

Career Services

Students may browse freely through up-to-date information on career options, employment market trends, or graduate school alternatives. Opportunities are available for participation in group sessions on career planning, and individual counseling is possible for students wanting personal assistance in exploring or implementing career-related decisions. For more information call (319) 273-2676.

University Facilities and Services

The University Library

The Northern Iowa Library is located near the center of the campus in an air-conditioned building with seating capacity for about 1,600 persons and shelving for more than 700,000 volumes. An "open stacks" policy makes material readily accessible, and the Library is open to faculty, students, and staff about 85 hours per week during the summer session. The Library staff includes 54 full-time persons and approximately 120 part-time persons, most of whom are student assistants who each work 10-15 hours per week.

As of July 1, 1985, there were 615,209 volumes in the Library's book collections, including 18,035 volumes in a carefully selected reference collection and 101,806 bound periodical volumes. The Library has current subscriptions to 2,801 periodicals and 70 newspapers, with extensive back files of many periodicals and newspapers. There is a rapidly growing collection of microforms (18,585 reels of microfilm, 12,855 microcards, and 495,534 microfiche). The Library's map collection has 32,509 items and in Art and Music there is a collection of 8,999 sound recordings. The UNI Library is a selective depository for United States government publications and adds several thousand items each year to a collection that had 201,872 items as of July 1, 1985. Of special interest to teachers and prospective teachers is a youth collection which has 16,081 volumes, a representative collection of the kinds of books found in elementary and secondary school libraries.

Special areas in the library building are Art and Music, Documents and Maps, the Youth Collection, Special Collections, the Career Collection, and the Room for the Blind. There are several lounge areas, typing rooms with coin-operated typewriters, group studies, and faculty studies. The Library provides facilities and

equipment for listening to or viewing of disc recordings, audio and video cassettes, slides, and sound filmstrips. Photocopying is provided at a staffed center and at coin-operated machines and there is a printer that makes paper copies from either microfilm or microfiche.

Galley of Art

With the final phase of the Communication Arts Center completed, the entire Department of Art is under one roof for the first time. In the Department of Art is a Gallery of Art facility dedicated to the proper care of the Northern Iowa Permanent Collection and the secure display of art works to their best advantage. The Gallery offers assorted programs designed to enrich the cultural life of Northeast Iowa and the University community.

Since 1978 the Gallery of Art of the Department of Art has continually presented professional exhibitions of national and international importance. The Gallery maintains UNI's excellent Permanent Collection of Art which emphasizes 20th Century American and European art. A portion of this collection is on view in the Library at all times and may be used for research by faculty, students, and visitors by appointment. All Gallery activities are free. The Gallery promotes educational activities in the visual arts.

Maucker Union

The J.W. Maucker University Union, located in the center of the academic complex and immediately adjacent to the University Library, has a variety of services and facilities available for members of the University community. The Union Coffee House serves lunches and snacks and is also the gathering place for informal meetings over a cup of coffee or iced tea. The Union houses a number of conferences and workshops over the summer months. Other facilities include meeting rooms, informal lounges, a billiards and recreation room, and numerous multi-purpose areas.

A check cashing service, including an automatic teller machine, is operated from the Box Office of the Maucker Union for the convenience of summer session students. Union Station offers a variety of items for sale. A copy service is available at the Information Desk of the Union for a nominal fee.

Curriculum Laboratory

The Curriculum Laboratory is a research facility where UNI students, faculty, and administrators, as well as area educators can examine and evaluate wide range of K-12 curricular materials. Located in Room 222 of the Education Center, the Curriculum Laboratory contains the following types of materials:

1. Curriculum guides and resource units
2. Elementary and secondary texts
3. Activities and simulations
4. Enrichment kits, games, and books

5. Professional journals
6. Pictures, posters, and bulletin board borders
7. Standardized tests
8. Catalogs and promotional literature
9. Educational Software
10. Research monographs and publications on current issues in education

In addition to the usage of an extensive variety of curricular materials, the following are also available to Curriculum Laboratory patrons:

1. Computer laboratory facilities and software
2. Orientations for classes and small groups
3. Photocopy equipment
4. Access to VCR's to view educational video tapes

Summer hours of the Laboratory are 7:15 a.m. to 4 p.m. Monday through Friday, and evenings hours to be announced.

Educational Media Center

The Educational Media Center is a University-wide service department established to meet the varied instructional and communications media needs of the students, faculty, and administrative staff of the University. It is responsible for the University's media equipment and collection of media software and provides services in instructional development, media utilization, production planning, production, and research. The EMC consists of seven closely related areas: Audio Production Services, Audio-Visual Services, Graphic and Photographic Services, the Media Laboratories, Motion Picture Production Services, Slide and Multi-Image Services, and Television Services.

Audio Production Services, located in the Education Center, is equipped to produce high quality master tapes in both reel-to-reel and cassette formats, and provides opportunities for professional sound recording, mixing, and editing in studio or on location.

Audio-Visual Services is located in the Commons Building, and is the University-wide service agency for obtaining, distributing, and coordinating media software and equipment. The A-V Center provides a complement of audio-visual equipment in each instructional building, and maintains a variety of media equipment which is available for checkout. A library of media software (8mm and 16mm films, regular and sound filmstrips, audio tapes and records, and slides) is maintained by the A-V Center, with facilities available for examining the materials as well as a 48-carrel audio listening center for individual or group use.

Graphic and Photographic Services, on the ground floor of the Commons (west), provides consultation, design, and the production of media materials. Many types of audio-visual material can be produced locally to assist faculty and staff in developing effective and efficient instruction; examples include overhead transparencies, charts, graphs, posters, photographs, titles for motion pictures and slides, television graphics, and limited typesetting services.

The Media Laboratories, on the second floor of the Commons, provide facilities, equipment, and self-instructional programs for all students and faculty who want to produce their own instructional materials or learn the operation of a wide variety of audio-visual equipment. Materials are available for purchase in the media supply room, and staff assistance is provided for the operation of media equipment.

Motion Picture Production provides a University-wide service in super 8mm and 16mm filming, including budgeting, production planning, filming, titling, limited animation, and sound recording. Two studios and an editing room are in the Commons for on-campus production activities.

Slide and Multi-Image Services is housed on the ground floor of the Commons (west) and provides consultation, design, and production of slides, slide series, and multi-image series.

Five large lecture halls in the Education Center are equipped with the latest in multi-media utilization systems, and each hall contains a multi-image, rear screen projection system which is remotely controlled from an electronic podium. This system can project 16mm films, slides, and filmstrips in any combination. Media utilization is scheduled through this service.

Television Services, located in the Communications Center in the basement of the Education Center building, is responsible for coordinating all University-related television activities including selection and purchase of television equipment, scheduling the use of television facilities and equipment, distribution of locally produced programs, the planning and production of video programming, video tape editing, duplication, video format changes, image enhancement, and electronic character generation. In addition, TV Services provides the University origination and distribution link with the Cedar Falls/Waterloo cable television system and the cable system linking the Cedar Falls schools.

Television facilities include color studios, microteaching studios, control and editing rooms, engineering and maintenance facilities, and preview facilities.

The University Museum

The University Museum, accredited by the American Association of Museums, is used extensively as an educational resource by both University classes and area schools and as a cultural facility by local clubs and individual visitors. It also provides motivated students with career-oriented volunteer opportunities for on-the-job training.

Museum collections embrace four broad subject areas: geology, biology, anthropology, and history. The geology collections consist of minerals, rocks, and an especially fine collection of fossils. The biology area includes a bird collection consisting of most birds indigenous to the midwest as well as some exotic, rare, and extinct species. Large and small mammals, reptiles, fish, arthropods, and marine invertebrates, including a vast collection of shells from around the world, are also a part of the biology collection. American, Iowa and local history are represented from colonial times to the present by a wide variety of artifacts and printed documents. The anthropology area is represented by archeological materials as well as important ethnographic collections from Africa, Asia, Oceania, and South America.

The UNI Museum is in the process of moving from the Plant Services Building to its new home at 3219 Hudson Road. A firm date for reopening has not been established. For further information, contact the Museum at 273-2188.

Malcolm Price Laboratory School

University students are encouraged to visit classes in the Malcolm Price Laboratory School which will be open for six weeks during the summer session, June 16 through July 25, 1986. The summer program of the Laboratory School operates to fulfill the following functions: (1) to provide university students opportunity for a wide range of professional laboratory experiences including observation, participation, laboratory practice, practicum, and advanced laboratory practice; (2) to provide classrooms to be used for instructional demonstrations by the various summer programs and workshops conducted in the Laboratory School and other departments of the university; (3) to employ experimental and innovative methods and materials in classroom instructional programs; and (4) to provide for school pupils, at both elementary and secondary levels, selected programs of learning and enrichment experiences, including instruction for talented and highly motivated students.

A. Elementary Pupil Programs

Instructional programs providing enrichment learning experiences beyond those of the regular school year will be conducted for children from nursery/ kindergarten through grade six. Special programs will be offered for talented and gifted students. Programs will include the use of the computer as an instructional tool. Major emphasis will be given to

pupil development of concepts, skills, attitudes, and understandings in the following areas: science, mathematics, language arts, social studies, music, art, industrial technology, and physical education.

Library. The library and its large collection of books, pamphlets, pictures, and clippings will be available to classes, groups, and individuals. Pupils will be instructed in the use of the library and encouraged to read and explore widely.

Music. As an instrument of learning, music will help pupils to discover how individuals communicate feelings and emotions, while group singing and discriminating listening will help children understand music and its contribution to daily living.

Art and Industrial Technology. Art and industrial technology will offer children the opportunity to experiment with ideas, and to understand and develop an imaginative use of two- and three-dimensional materials. Growth in subject matter, as well as the child's interest, will be considered. Design problems, production experiences, and investigative methods will be introduced.

Physical Education. Swimming instruction will be given to all pupils attending the summer session. Safety in swimming will be emphasized.

B. Secondary Pupil Programs

Instructional courses and programs will be offered for talented and motivated junior and senior high school students. Students may enroll in one or more individual courses or in half-day programs. Major areas of study will include computer instruction, science, mathematics, industrial technology, foreign language, and reflective writing.

C. University-Level Programs

Laboratory Practice — Elementary (28:150). This course is designed for teachers with several years of teaching experience who have not fulfilled the student teaching requirements for certification. Course opportunities include practice in classroom teaching procedures, preparation of instructional materials, access to the Laboratory School media center, and participation in a special seminar on modern teaching and curriculum theory.

Advanced Laboratory Practice (28:250). Graduate students attending the summer session are encouraged to explore opportunities for Advanced Laboratory Practice in the Price Laboratory School, with concentration on any aspect of the school program. Credit can be earned by participating in one of the special teacher workshops.

Student Teaching (28:135-140). Summer student teaching is offered only to students who meet the requirements of the Teacher Education Coordinating Council, and is available only to students who have had teaching experience and can complete a degree program at this university during the summer session of 1986. Student teaching will be offered only in the



elementary grades for 4 to 5 semester hours of credit. This credit will meet the requirements in student teaching; additional hours may be taken in elective courses. Interested students should file applications not later than April 15, 1986, with the Office of Student Field Experience, Room 509, Education Center, UNI.

D. Summer Workshops (28:133g).

A limited number of workshops will be offered for practicing teachers. Workshops will concentrate upon updating instructional content and methodology in a number of content areas at both elementary and secondary school levels.

Recreation and Activities

The summer session's programs and activities cover a wide range of interests including nationally known lecturers, outstanding films, musical concerts, summer theatre productions, art exhibits, and other special events. The entering freshman as well as the mature graduate student will find activities and events of general and special interest.

Summer Theatre 1986 — An entertainment highlight of the summer session is Theatre UNI and UNI Lyric Theatre's offering of three productions presented in the Strayer-Wood Theatre. Repertory theatre at UNI began in 1966, and since that time thousands of theatre goers have enjoyed the outstanding quality of the summer stage productions. Eighteen performances of three productions will be presented this summer.

Campus and Community Recreational Opportunities

A variety of recreational opportunities, structured and unstructured, are provided for the students, faculty/staff and their families during the summer session. Some of the structured activities include tennis, golf, and racquetball/handball tournaments plus organized leagues in volleyball, slow-pitch softball, and basketball. There are also special instructional programs and events provided throughout the summer. Unstructured activities (open recreation) are always available on the 45 acres of turf play fields and in the spacious UNI-Dome/PE Center complex.

Northern Iowa has excellent indoor and outdoor facilities: 30 laykold tennis courts (10 lighted), 8 racquetball/handball courts, swimming pools, indoor and outdoor running tracks, plus a challenging nine-hole golf course.

The Cedar Falls-Waterloo area is noted for its excellent parks and recreational facilities for picnicking, bicycling, boating, horseback riding, and a wide variety of other recreational activities. In addition, within easy driving distance in northeast and east central Iowa are a variety of points of interest including the Yellow River Forest, the Amana Colonies, Backbone State Park, the Little Brown Church at Nashua, the Bily Brothers Clocks and Anton Dvorak Memorial at Spillville.

Information regarding the summer program and facilities is available from Campus Recreation offices located in the southwest corner of the Physical Education Center (PEC), telephone 273-6275. Intramural information and open recreation hours are also available on our pre-recorded telephone lines, for intramural information call 273-2413 and for current open recreation hours for the various facilities call 273-2391.

The Undergraduate Program

The University of Northern Iowa offers six baccalaureate degree programs: the Bachelor of Arts, the Bachelor of Fine Arts, the Bachelor of Music, the Bachelor of Science, the Bachelor of Technology, and the non-traditional Bachelor of Liberal Studies. The Bachelor of Arts and the Bachelor of Technology degrees are organized in two curricular programs leading to the baccalaureate degree: one program which includes professional courses required for certification to teach, and the other in which liberal and/or vocational arts courses complete the degree requirements. The Bachelor of Music degree provides for teaching certification under the Music Education major; and it is possible to take part of the necessary work during the undergraduate program and the remainder as a post-graduate to earn a teaching certificate with the other majors under that degree. The Bachelor of Fine Arts degree is a highly specialized program which provides strong emphasis on work in professional career training.

General Education: A General Education program of 40 semester hours distributed across 12 categories is required of all students working toward a baccalaureate degree on any curriculum in addition to the work in the major area, and most of the General Education courses are recommended to be completed during the first two years of college work.

Through its program of General Education, UNI seeks to help the student toward self-understanding and to understand the society in which the student lives in order that he or she may participate more effectively as a citizen of the community. Through courses in science, mathematics, the humanities, the arts, social science, communication skills, and physical education, the student is led to an understanding of present-day problems. Students explore the world in the process of developing an understanding of our cultural heritage.

The students are encouraged to develop the ability to grasp the ideas of others and to express themselves effectively, orally and in writing. The enjoyment and understanding of literature, art, music, and other expressions of creative ability of humankind are important objectives of the student's work in general education, as is instruction in personal and community health and in physical fitness.

Bachelor of Arts — Teaching Program 130 Semester Hours

On this program, undergraduate courses lead to the B.A. degree with the following majors:

Art	Middle School/Junior
Biology	High School Education
Business Teaching	Physical Education
Chemistry	Physics
Communication and	Plan A — Junior High
Theatre Arts	School Science
Early Childhood	Plan B — All Sciences
Education	Political Science
Earth Science	Psychology
Economics	Safety Education
Elementary Education	Science: Environmental/
English	Conservation
French	Education Emphasis
General Communication	Social Science
and Theatre Arts	Sociology
Geography	Spanish
German	Speech-Language
Health Education	Pathology
History	TESOL/Modern
Home Economics	Languages
Industrial Arts Education	Vocational Home
Mathematics	Economics

Minors may be selected from the following fields: Art, Biology, Business Teaching, Chemistry, Coaching, Communication and Theatre Arts, Dance, Earth Science, Economics, Education of the Handicapped — Secondary Level, English, French, Geography, German, Health Education, History, Industrial Arts, Journalism, Library Science, Mathematics, Music, Physical Education — Elementary Teaching, Physics, Political Science, Psychology, Russian, Safety Education, Sociology, and Spanish. A minor in another teaching area is required of those majoring in Geography.

Teachers interested in certificate renewal may use the summer session to earn credit for this purpose. Since the institution in which the credit is earned must certify as to whether or not the courses apply on an advanced curriculum or a higher certificate, care must be taken at the time of the enrollment to select the proper courses. The summer session may also be utilized for extending certification endorsements to include areas such as Special Education.

Bachelor of Arts

124 Semester Hours

On this program, undergraduate courses lead to the B.A. degree with the following majors:

Accounting	Home Economics —
American Studies	Family Services
Anthropology	Home Economics in
Art	Business — Clothing
Asian Studies	and Textiles
Biology X and Y	Home Economics in
Biotechnology	Business — Foods and
Chemistry A and B	Nutrition
Chemistry-Marketing	Humanities
Communication and	Individual Studies
Theatre Arts	Industry
Communications/Public	Latin American Studies
Relations	Management
Communications/Radio-	Marketing
TV	Mathematics
Community Health	Music
Education	Natural History
Community Recreation	Interpretation
Computer Science	Office Information
Computer Information	Systems
Systems	Philosophy
Earth Science	Philosophy and Religion
Economics	Physics A, B, and C
English	Political Science
English Linguistics and	Psychology
Modern Languages	Public Administration
English Linguistics	Religion
French	Russian Area Studies
General Studies	Science
General Studies for	Science: Environmental
Registered Nurses	Planning
Geography	Social Work
Geology	Sociology
German	Spanish
History	Speech-Language
Home Economics —	Pathology
Design and Human	Teaching English to
Environment	Speakers of Other
Home Economics —	Languages (TESOL)
Dietetics	Theatre Arts
	Therapeutic Recreation

Minors may be selected from the following fields: Anthropology, Art, Asian Studies, Astronomy, Athletic Training, Audio Recording Technology, Biology, Business — Accounting, Business Communication, Chemistry, Communication and Theatre Arts, Community Health Education, Comparative Literature, Computer Science, Criminology and Corrections, Dance, Earth Science, Economics, Educational Media, English, English Linguistics, Environmental Perceptions, Family Life Education, French, General Business Concepts, Geography, German, History, Home Economics, Humanities, Industry, Jazz Studies, Journalism, Library Science, Marketing, Mathematics, Music, Philosophy, Physics, Political Science, Psychology, Religion, Russian, Sociology, Spanish, Teaching English to Speakers of Other Languages (TESOL), and Women's Studies.

A knowledge of a foreign language is required or recommended for several majors; specific information regarding foreign language requirements is given with the major program statements in the UNI Bulletin (Catalog issue).

Bachelor of Fine Arts

130 Semester Hours

This degree is a highly specialized program which provides strong emphasis on work in professional career training. Two majors are available under the B.F.A., a *major in Art* and a *major in Music Theatre*. Both majors require the completion of 40 hours of General Education courses.

The **Art** major requires that students complete a program of 18 semester hours of foundations, 18 semester hours of studio distribution, and 6 semester hours of drawing. The remainder of the major requirements, including 9 semester hours of art history electives, will follow the student's particular area of specialization. The major does not provide for certification to teach.

The **Music Theatre** major is an interdisciplinary program offered by the School of Music. Requirements for the major are: Music core of 53 hours and Theatre core of 24 hours for a total of 77 hours. Participation in a performance organization is required of all degree students every semester in residence. A basic knowledge of a foreign language is recommended. Upon completion of the specific requirements of the Music Education major under the Bachelor of Music degree in addition to the Music Theatre major, the student could qualify for certification to teach.

Bachelor of Music

130 Semester Hours

Majors for the Bachelor of Music degree include:

Music Education
Performance
Theory-Composition

The degree requires 40 hours of General Education courses; 65-80 hours of music; and 10-25 hours of general electives.

Teaching certification for grades K-12 is available under the Music Education major. For this program students must complete the 23-hour Common Professional Sequence in place of general electives.

Students on Performance and Theory-Composition programs who want to obtain similar teaching certification should consult with the Director of the School of Music.

Bachelor of Science

130 Semester Hours

The Bachelor of Science degree should be elected by those students who are preparing for careers in areas where effective application of knowledge and training requires a higher degree of concentration in subject matter and cognate areas, particularly in advanced-level course work. This degree is especially appropriate for students planning post-baccalaureate study in graduate or professional schools.

Majors for the Bachelor of Science degree include:

- Biology
- Chemistry
- Geology
- Physics
- Applied Physics

Requirements include:

1. A minimum of 56 hours in the subject and cognate areas with:
 - a. at least 36 hours in the subject area;
 - b. at least one 100-level course in cognate areas;
2. The completion of undergraduate research or internship carrying 1-2 semester hours of credit applicable to either the subject or cognate area(s). This project should involve original work and normally should result in the completion of a written report.
3. The completion of the General Education requirement of at least 40 semester hours selected from courses included in the twelve General Education categories.

Since this degree assumes a higher degree of concentration in subject matter, a major leading to this degree will ordinarily require at least eight 100-level semester hours of credit more than an identically named major leading to a Bachelor of Arts degree.

Bachelor of Technology

130 Semester Hours

This program allows the student a choice of majoring in four areas: Vocational Technical Education, Manufacturing Technology, Construction Technology, or Energy and Power Technology.

The **Vocational Technical Education** major — 130 hours — is planned to prepare teachers to teach in a specific trade program or technology in a high school or a two-year community college or vocational technical school.

The **Manufacturing Technology** major — 130 hours — is designed to prepare persons for industrial supervisory and managerial positions in industry that require technical and mechanical concentration. More specifically, graduates from these programs may be employed in one of the following divisions of industry: manufacturing, production planning and

control, design and development, quality control, field service and product utilization, training, production supervision, sales and product distribution, personnel for computer-assisted equipment, or materials testing. This degree program has two areas of technical concentration: Production and Mechanical Design Technology.

The **Construction Technology** major — 130 hours — is designed to prepare individuals for positions in the construction industry such as project managers, project coordinators, project estimators, material and equipment distributors, labor-management relations personnel, inspectors, researchers, technical specification writers, sales managers, manufacturers' representatives, maintenance supervisors, construction supervisors, and quality control specialists.

The **Energy and Power Technology** major — 130 hours — is designed to prepare students for industrial supervisory and managerial positions for industrial firms focusing on electronics, hydraulics, pneumatics, and mechanical systems. Graduates from this program may be employed in one of the following divisions of industry: research and development, production and manufacturing, field service and product utilization, sales and distribution, training, technical representation, technical writing, and industrial maintenance.

Bachelor of Liberal Studies

124 Semester Hours

The BLS degree is an external program offered in cooperation with the University of Iowa and Iowa State University. It is designed to meet the needs of students who have started college but are unable to complete a degree as full-time, on-campus learners. For admission to the program, a student must have an Associate in Arts or Associate in Science degree from an accredited two-year college or a minimum of 62 semester hours of credit with a 2.0 cumulative grade point average.

The degree requires 40 hours of general education courses and, in place of a major, a minimum of 12 hours in each of three of the following BLS distribution areas: a) humanities, b) communications and arts, c) natural sciences and mathematical disciplines, d) social sciences, and e) professional fields, such as business, education, or home economics. The remaining 48 hours shall consist of university electives.

The program at Northern Iowa is administered by the Division of Continuing Education and Special Programs.

The Graduate Program

Eight graduate degrees are offered at UNI: the Master of Arts degree, the Master of Arts in Education degree, the Master of Business Administration degree, the Master of Music degree, the Specialist in Education and the Specialist degrees, the Doctor of Industrial Technology degree, and the Doctor of Education degree. Graduate majors are available in most departments and graduate-level courses are offered by all departments of the University.

Admission to Graduate Study

Graduate study is open to students who hold a baccalaureate degree from an accredited institution and who meet stipulated academic and achievement test standards. Persons who have not previously been enrolled as graduate students at the University of Northern Iowa should write to the Registrar requesting the necessary application blanks.

A student who is a graduate of another college must file a transcript from the college granting the degree if he or she (1) wishes to become a candidate for an advanced degree at UNI, or (2) wishes to be recommended by UNI for a teaching certificate. Others need file only a statement of the degree earned.

At the time of admission to graduate study, each graduate student is expected to consult with the head of the department in which he or she intends to major, or concentrate study, for assignment of an adviser. The adviser will assist the student in the registration process. The student undecided about a major, or who does not plan at the time of admission (or enrollment) to seek a master's degree, should consult with the Dean of the Graduate College. Every Graduate student should be conferring with a faculty adviser from time to time to insure progress in his or her education.

Students applying for admission to degree status should take the Graduate Record Examination prior to admission or no later than the first test date following the first registration. The Master of Business Administration requires the Graduate Management Admission Test (not the GRE) which must be taken prior to enrollment in the program. These examinations are administered by the Office of Examination Services.

Graduate Majors

The Master of Arts, the Master of Arts in Education, the Master of Business Administration degree, or the Master of Music degree may be earned by either the thesis or the non-thesis option, as specified for the individual majors. Minimum requirements for the thesis plan include 30 semester hours of graduate



credit; minimum requirements for the non-thesis plan include 30 to 37 hours of graduate credit, depending upon the major. Specific details are given in the graduate section of the *1984-86 Bulletin — Catalog Issue* and the *1983-85 UNI Graduate Bulletin*.

The Specialist in Education or the Specialist degree may be earned by completing at least 30 semester hours of graduate credit beyond the master's degree and by satisfying the general and specific requirements for the degree. A department may require a thesis even if one was completed for the master's degree.

The Doctor of Industrial Technology degree requires the completion of a minimum of 64 semester hours of credit beyond the master's degree and the fulfilling of the general and specific requirements for the degree. Degree requirements include a dissertation plus the publication of at least one scholarly paper within one of the professional fields related to industrial technology.

The Doctor of Education Degree requires a minimum of 60 semester hours of credit beyond the master's degree. There are three components to the program: 27 semester hours in a *Professional Common Core* of work in educational foundations, fundamentals, and research; 21-24 semester hours of *Advanced Professional Study* in one of six areas of intensive study and a related area; and 9-12 semester hours of dissertation work. Degree requirements include a dissertation.

Master of Arts

The Master of Arts degree is designed for students interested in advanced preparation for elementary, secondary, or college teaching, or for students planning to pursue careers in fields other than teaching. Graduate level courses are offered in all departments of the university, with the following majors available:

Art	Physical Education
Audiology	Physics
Biology	Political Science
Business Education	Psychology
Chemistry	Science
Communication and Theatre Arts	Science Education
Communications Media	Science Education for Elementary Schools (K-6)
Counseling	Social Science
Earth Science	Sociology
English	Spanish
English Linguistics	Speech-Language Pathology
French	Teaching English to Speakers of Other Languages (TESOL)
Geography	Technology
German	TESOL/Modern Languages
Health Education	Translation (Spanish/English)
History	Two Languages: French/German, Spanish/French, German/Spanish
Home Economics	
Industrial Arts	
Library Science	
Mathematics	
Math for Elementary and Middle Schools	
Music	
Music Education	

Master of Arts in Education

The Master of Arts in Education degree program is designed to prepare professionally competent teachers, administrators, supervisors, and guidance counselors. The following majors are available:

Counseling
College Student Personnel Services
School Counseling
Early Childhood Education
Educational Administration and Supervision
Elementary Principalship
Secondary Principalship
Educational Media
Educational Psychology
General Educational Psychology
Teaching
Education of the Gifted
Elementary Education

Middle School/Junior High School Education

Reading

Elementary Reading and Language Arts
Reading Education
Secondary Reading

School Business Management

Special Education



Master of Business Administration

The Master of Business Administration degree program is planned to qualify students for creative leadership in business. The broad, integrated program provides an emphasis in the functional areas of business as well as selected specialized techniques, seeking a balance between theoretical knowledge and practical operation. This degree program is offered by the School of Business.

Master of Music

The Master of Music degree is a professional degree designed to prepare the student for a college or secondary school teaching career, a performance career as a professional musician or composer, or for further graduate work at the doctoral level. The following majors are offered:

Composition
Conducting
Music History
Performance

Specialist

Counseling
Science Education

Specialist in Education

The Specialist in Education degree program is designed to provide an advanced level of preparation for specialized school personnel. The following majors are available:

Counseling
College Student
Personnel Services
Elementary Guidance
and Counseling
Secondary Guidance
and Counseling

Curriculum and
Supervision
Curriculum
Coordinator

Educational
Administration
Elementary Principal
Secondary Principal
Superintendent

Educational Psychology
School Psychology

Reading Education

School Business
Management

Special Education:
Administration
Emphasis
Curriculum
Consultant
Emphasis

Doctor of Education

The Doctor of Education degree is intended to provide practicing educators the opportunity to continue their study and earn the terminal professional degree in their field. A minimum of three years of appropriate educational experience is one of several requirements for eligibility for the program. The six areas of intensive study provide the student with the option of a specialized focus, and are designed for different professional competencies as indicated below.

Counseling. This area of intensive study involves continued development of knowledge and skills of educational professionals who assist others in clarifying, coping with or solving personal, academic, or career dilemmas. (For more information, contact the Head, Department of Educational Administration and Counseling.)

Curriculum and Instruction. This area of intensive study is designed to prepare scholar-practitioners to plan, implement, evaluate, and supervise educational programs for children and adult learners. (For more information, contact the Head, Department of Curriculum and Instruction.)

Educational Administration. This area of intensive study involves the preparation of personnel for leadership roles in administering and supervising departments, schools, districts, or other educational agencies. (For more information, contact the Head, Department of Educational Administration and Counseling.)

Reading. This area of intensive study is designed to prepare scholar-practitioners to assume leadership roles in reading-language arts programs. (For more information, contact the Head, Department of Curriculum and Instruction.)

School Psychology. This area of intensive study is designed to provide school psychologists with additional theory and practice skills to serve families, children and educators in a leadership role. (For more information, contact the Head, Department of Educational Psychology and Foundations.)

Special Education. This area of intensive study is designed to provide students with the knowledge and skills to work effectively in leadership positions in special education agencies, residential facilities, or other agencies that serve disabled individuals. (For more information, contact the Head, Department of Special Education.)

For more information regarding the Doctor of Education degree program, contact the Dean's Office, College of Education, University of Northern Iowa.

Doctor of Industrial Technology

The Doctor of Industrial Technology Degree (D.I.T.) is a terminal degree grounded in the discipline of industrial technology. Graduates utilize the skills developed in the program, together with those acquired through prior education and experience, to accomplish their professional responsibilities with increased effectiveness and efficiency. The D.I.T. is designed to prepare individuals for leadership positions in institutions of higher education and industry. The program is targeted primarily at education related careers in higher education or industry. Sufficient flexibility exists, however, to direct the coursework, internship, and research toward other related career preferences in industry. Extensive knowledge of industry and its developing technologies, as well as a thorough understanding of research, constitute important components in the preparation of the D.I.T. graduate. Research activities encompass such areas as product and production planning, graphics technology, industrial and educational management, educational and training materials development, technology studies, material science, energy and power applications, curricular design and educational methodology.

Special Programs

Lakeside Laboratory Lake West Okoboji, Milford, Iowa

The Iowa Lakeside Laboratory is operated jointly by the University of Northern Iowa, the University of Iowa, and Iowa State University for the field study of biology. Twelve courses taught by some of the area's leading field biologists are offered.

First Session June 9-July 11
Second Session July 14-Aug. 15

The Laboratory is open to both undergraduate and graduate students upon approval of the instructors of the courses desired. Five (5) semester hours of credit may be earned in each of the two sessions. A number of Macbride Scholarships are available to UNI students; inquiries are invited.

A special bulletin listing the courses offered and instructors can be obtained by contacting the Department of Biology, University of Northern Iowa, Cedar Falls, Iowa 50614.

Regents' French Study Program Abroad

A seven-week program in French sponsored jointly by the three Regents universities (Iowa State University, the University of Iowa, and the University of Northern Iowa) will be held in France from May 31 to July 19. Students will have the opportunity to improve their knowledge of the French language and culture at an accelerated pace, and in a congenial and authentic atmosphere, which includes living with French families in Lyon for seven weeks, classes taught by professors from the universities in Lyon, weekend trips and visits to places of cultural interest outside of the Lyon area, and free time for travel and independent study.

The program is open to both undergraduate and graduate students; 8 semester hours of credit will be granted (9 hours with an independent study project). Cost is approximately \$1,750, excluding flight costs.

For further information, contact Maryline Lukacher, UNI Representative for the Regents' French Study Program Abroad, Department of Modern Languages, UNI.

Regents' Hispanic Institute Abroad

An eight-week Spanish program sponsored jointly by the three Regents universities (Iowa State University, the University of Iowa, and the University of Northern Iowa) will be held in Spain during the summer of 1986. Tentative dates are June 1 to July 27.

The program will begin with two days of sight-seeing in Madrid and then a tour through southern and western Spain, ending in the northern city of Burgos. This picturesque and historic Castilian city will be the site of the program course work as well as the point of departure for excursions to nearby places of interest. During the stay in Burgos, students will live with Spanish families and normally will take three courses (for a total of nine semester hours of credit). Once course work is finished, participants will have a week of independent residence to follow their own personal inclinations and interests.

The institute is open to students of Spanish. Cost is \$1,800, including tuition, room and board in Burgos and on group excursions (i.e., hotel, meals, and transportation). Cost of transportation to and from Europe is not included.

For further information, contact D.C. Hawley, Department of Modern Languages, University of Northern Iowa, by mail or telephone (319-273-2715, 273-2749 or 266-8149).

Regents' Program Abroad in Austria

The eight-week, German program sponsored jointly by the three Regents universities (Iowa State University, the University of Iowa, and the University of Northern Iowa), will be held in Austria and Germany from June 7 to August 4, 1986. There will be two sessions of instruction on three levels: intermediate, advanced, and very advanced, with a week of independent travel between the sessions. Open to undergraduate and graduate students; 10 semester hours of credit. Cost is approximately \$1,945 (not including transatlantic transportation).

For further information, contact Jurgen Koppensteiner, Director, Regents' Program Abroad in Austria, Department of Modern Languages, UNI.

Summer Institute in France for Teachers of French

A seven-week French Institute will be held in Angers, France, from June 21 to August 9, 1986. The institute program provides for 8 semester hours of credit and is designed for teachers who need intensive training in understanding and speaking French and would like to live among the French people to make personal contacts with French families in a French community rather than simply to see France as a tourist. Each participant will study and live with a French family in Angers for five weeks. The two-week study tour will take place in Bretagne.

For further information, contact Andre Walther, Director, French Summer Institute, Department of Modern Languages, UNI.

Summer Institute in Austria for Teachers of German

A seven-week German Institute will be held in Austria from June 27 to August 15, 1986. The institute is designed for those teachers who need extensive training in understanding and speaking German and do not wish to see Austria as tourists but who would like to live among the Austrian people and make personal contacts with Austrian families during the time of their stay in Klagenfurt.

The institute program will provide 8-9 semester hours of credit. Staff from the University of Northern Iowa and the Klagenfurt Teachers' College will be responsible for all instruction and class work.

For further information, contact Karl Odwarka, Director, Summer Institute in Austria, Department of Modern Languages, UNI.

Portuguese Summer Institute in Coimbra, Portugal

An eight-week Portuguese program will be held in Coimbra, Portugal. Tentative dates are June 19 to August 14, 1986. The Institute is UNI-based with a nationwide reach.

Participants can earn an average of nine semester hours of credit with the possibility of one to three more semester hours upon approval of the Director. Participants attend formal classes in intermediate through advanced courses in Portuguese language, and beginning to advanced courses in cultural studies. Both undergraduate and graduate credits can be earned. Classes are held at the famous University of Coimbra, overlooking the beautiful Mondego River Valley.

Participants live with Portuguese families and are submerged in authentic social and cultural settings. Several educational weekend excursions are planned, and a free midterm week is scheduled for independent study or travel. The final ten days, after completing formal classes, are devoted to an educational tour of historical and contemporary Portugal.

Cost is \$1,600, including tuition, room and board in Coimbra, and on group excursions (i.e., hotel, meals, and transportation). Cost does not include the international air fare.

For further information, contact Robert Krueger, Department of Modern Languages, University of Northern Iowa, Cedar Falls, Iowa 50614, or by telephone at (319) 273-2848.

Summer Institute in Spain for Teachers of Spanish

An eight-week Spanish Institute will be held in Soria, Spain, from June 19 to August 14, 1986. The institute program provides 9 semester hours of credit, and is designed for primary and secondary teachers of Spanish who want intensive training in oral skills and who would like to make personal contacts with the Spanish people.

Each participant will live with a Spanish family in Soria for approximately six weeks while studying formal courses. A 2-week study tour of areas of historical and cultural interest will follow the formal course work, including time to get to know Madrid.

For further information, contact Adolfo M. Franco, Director, Spanish Summer Institute, Department of Modern Languages, UNI.

Repertory Theatre

Theatre UNI and UNI Lyric Theatre will offer the seventeenth, on-campus Repertory Theatre Workshop (50:133g) from May 30 to August 2, 1986. The Theatre program provides three to six (3 to 6) semester hours of either undergraduate or graduate credit, and is designed for actors, singers, dancers, technicians, and costumers. Eighteen performances of three productions will be presented for the public.

The production company will include actors, technicians, costume assistants, and apprentices. Grants-in-aid are available. Applicants must meet the usual undergraduate or graduate requirements for enrollment in the university. Applications should be made by March 1. Auditions and interviews will be held on Saturday, March 8, from 10 a.m. to 2 p.m. in the Strayer-Wood Theatre.

For further information and application, write to Jay Edelnant, Director of Theatre, UNI, Cedar Falls, Iowa 50614-0371.

Culture and Intensive English Program

As part of its year-round intensive English language program, the TESOL/Linguistics Section of the Department of English Language and Literature, in conjunction with the Division of Continuing Education, offers an 8-week summer program for non-native speakers of English. The program includes a course of instruction emphasizing communicative control of spoken and written English for non-native speakers. It is designed primarily for non-native speakers of English who have attained an intermediate level of English proficiency. All persons who have graduated from a secondary school, or the equivalent, may apply. Students are expected to have a minimal English proficiency of 380 on the TOEFL examination, or its equivalent.

The program will be conducted from June 5 to August 1 and will include five hours of classroom instruction and out-of-class cultural orientation activities each day during that period.

For further information about the program, tuition, and room and board, contact the Director, Culture and Intensive English Program, Department of English Language and Literature, 225 Baker, University of Northern Iowa, Cedar Falls, Iowa 50614, (319) 273-2464 or 273-3870 or 273-2821.

Iowa Coaching Endorsement Program Iowa Coaching Authorization Program

The School of Health, Physical Education, and Recreation will offer courses during the 1986 Summer Session for certified teachers (endorsement) and other individuals (authorization) desiring to satisfy Department of Public Instruction coaching requirements. Two to nine (2 to 9) semester hours of graduate credit may be earned. Individuals may satisfy two of the four DPI competency areas in each four-week session.

For further information, write to William R. Thrall, Director of the School of Health, Physical Education, and Recreation, UNI.

Leisure Services Field Experience

This 1-3 semester hour course (43:165) is designed for students in the human service fields to develop further their personal professional skills. Minimum requisite to the course is full-time, 8-week employment in a leisure service agency which provides recreational experiences. Students are responsible for securing their own employment (paid or voluntary).

Each student will chronicle her or his professional growth in relation to leisure service experiences, select a related topic that has research potential and develop a conceptual scheme for its development, and (with agency approval) design, implement and evaluate one project. This course will provide a strong field experience for students aspiring to serve within fields such as community recreation, therapeutic recreation, adapted physical education, special education, physical therapy, nursing, rehabilitation counseling, and camping.

For further information, contact Dan McDonald, Division of Recreation, School of Health, Physical Education, and Recreation, UNI.



Camp Counseling (Fieldwork) At Approved Iowa Summer Camp

This two-semester hour course is designed to provide students an opportunity to combine academic learning and a fieldwork experience at an approved Iowa summer camp. There is a minimum requisite of six weeks of camp employment. This course is recommended for students majoring in Recreation, Camping, Counseling, Social Work, Elementary Education, Special Education, Physical Education, and Rehabilitation.

For further information, contact Dan McDonald, Division of Recreation, School of Health, Physical Education and Recreation, UNI.

On-Campus Workshops

A number of UNI departments will be conducting 2- and 3-week workshops during the 1986 summer session, and detailed information on these programs will be given in the *Workshops and Special Programs Bulletin* available early in March (or by writing to the respective departments). Among these workshops will be programs from the following departments:

Department of Communication and Theatre Arts

Teaching for High School Contests — Individual Events and Debate (50:133g, 1-3 semester hours, graduate credit). June 16-27 for the debate (two hours can be earned) and June 9-13 for individual events (one hour can be earned).

The debate course is held in conjunction with a high school workshop on the 1986-87 topic, and includes opportunity to hear all lectures on theory and the topic held in the workshop. **No other course ought to be taken during morning hours.** The individual events course is held during the second week of summer term and no other course ought to be taken during morning hours during that week.

School of Health, Physical Education and Recreation

Wellness Programs for School Staff (41:133g, Sec. 10, 1 semester hour credit), June 9-13.

Physical Fitness: Its Assessment and Interpretation (42:133g, Sec. 12, 1 semester hour credit), June 16-20.

High Level Wellness (41:133g, Sec. 3, 2 semester hours credit), June 23-July 3.

Health Risk Appraisal (41:158g, Sec. 1, 1 semester hour credit), June 23, 25, 30, July 2.

Marketing Health Education (41:133g, Sec. 11, 1 semester hour credit), July 7-11.

Health Counseling (41:133g, Sec. 8, 1 semester hour credit), July 8, 10, 15, 17.

Death Education (41:133g, Sec. 7, 1 semester hour credit), July 7, 9, 14, 16.

Volleyball Coaching Theory (42:133g, Sec. 1, 1 semester hour credit), June 9-13.

Football Offensive Line Play (42:133g, Sec. 7, 1 semester hour credit), June 14-15.

National Golf Foundation — Golf Coaching Theory (42:133g, Sec. 10, 1 semester hour credit), June 14-15.

Philosophical Approaches to Coaching (42:133g, Sec. 14, 2 semester hours credit), June 16-27.

Non-Credit Summer Programs

Throughout the summer a number of non-credit programs are held on the UNI campus. Those scheduled for the 1986 summer session are listed below. For specific information, please write to the Dean, University Continuing Education and Special Programs, UNI. Dates for programs include:

Elderhostel '86 — July 6-12.

Regional Business Education Conference — August 19-22, 1986. For more information contact Dr. James Burrow, Department of Information Management.

Hawkeye Girls State — June 7-14, 1986

This program is held on the UNI campus under the sponsorship of the Iowa American Legion Auxiliary.

National Hairdressers and Cosmetologists Association of Iowa: Professional Workshop — June 14-17, 1986

Twentieth Annual International Cheerleading Foundation Clinic — July 20-23.

Administrative Staff

1985-86

Constantine W. Curris, Ed.D.
President

Edward V. Voldseth, Ph.D.
Assistant to the President for State Relations and Special
Events

Richard H. Stinchfield, Ph.D.
Director, Planning and Policy Management

Marilyn D. S. Monteiro, Ed.D.
Director of Affirmative Action Programs

Division of Instruction

James G. Martin, Ph.D.
Vice President and Provost

Patricia L. Geadelmann, Ed.D.
Assistant Vice President, Academic Affairs and
Coordinator of the Summer Session

Charles L. Means, Ph.D.
Assistant Vice President for Academic Affairs for EOP/SCS

John C. Downey, Ph.D.
Dean of the Graduate College

Glenn L. Hansen, Ph.D.
Dean, Division of Continuing Education and Special
Programs

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Director of Library Services

Robert R. Hardman, Ed.D.
Director of the Educational Media Center

Division of Educational and Student Services

Sue E. Follon, Ed.D.
Vice President for Educational and Student Services

Thomas P. Romanin, Ph.D.
Associate Vice President for Educational and Student
Services

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Registrar

Jack L. Wielenga, Ed.S.
Director of Admissions

Yancy Beavers, M.A.
Director of Financial Aids and Student Employment

Clark K. Elmer, M.A.
Director of Residence

Larry R. Routh, Ph.D.
Director of Counseling, Placement, and Career Services

Robert L. Tujetsch, M.A.
Administrator of Student Health Services

John F. Ketter, M.A.
Director of Maucker Union and Student Activities

Wayne A. King, Ph.D.
Director of Learning Skills Center

Division of Administration and Finance

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Vice President for Administration and Finance

Robert A. Bowsby, M.A.
Director, Intercollegiate Athletics

Eunice A. Dell, M.B.A.
Assistant to the Vice President

Rollin G. Evers
Director, Public Safety

Donald D. Greene, B.A.
Director, Administrative Services

L. Dale Hilliard, M.S.
Director, Administrative Data Processing

John D. Mixsell, M.A.
Director, Personnel Services

Thomas E. Paulson, M.B.A.
Director, Physical Plant

Gary B. Schontz, Ed.S.
Controller and University Secretary

James A. Stamp, M.B.A.
Budget Administrator

Leland A. Thomson, Ed.D.
Director, Campus Planning

Instructional Divisions

College of Education

Fred D. Carver, Ph.D. Dean
 Marlene I. Strathe, Ph.D. Associate Dean

Department Heads/Directors:

Charles R. May, Ph.D. Curriculum and Instruction	William R. Thrall, Ph.D. School of Health, Physical Education, and Recreation
Robert J. Krajewski, Ed.D. Educational Administration and Counseling	Marion R. Thompson, Ed.D. Special Education
Lawrence L. Kavich, Ed.D. Educational Psychology and Foundations	Ross A. Nielsen, Ph.D. Teaching
Elizabeth A. Martin, M.A. Library Science	

College of Humanities and Fine Arts

Thomas H. Thompson, Ph.D. Dean

Department Heads/Directors:

William W. Lew, Ph.D. Art	Fritz H. Konig, Ph.D. Modern Languages
G. Jon Hall, Ph.D. Communication and Theatre Arts	Ronald D. Ross, Ph.D. School of Music
Joseph J. Smaldino, Ph.D. Communicative Disorders	Shivesh C. Thakur, Ph.D. Philosophy and Religion
Jan C. Robbins, Ph.D. English Language and Literature	

College of Natural Sciences

Roy H. Saigo, Ph.D. Dean

Department Heads/Directors:

Daryl D. Smith, Ph.D. Biology	Ronald D. Bro, Ed.D. Industrial Technology
LeRoy A. McGrew, Ph.D. Chemistry	David R. Duncan, Ph.D. Mathematics and Computer Science
Wayne I. Anderson, Ph.D. Earth Science	Gerald W. Intemann, Ph.D. Physics

College of Social and Behavioral Sciences

Jerry D. Stockdale, Ph.D. Acting Dean

Department Heads/Directors:

Basheer K. Nijim, Ph.D. Geography	Albert R. Gilgen, Ph.D. Psychology
Donald R. Whitnah, Ph.D. History	Vincent E. Faherty, D.S.W. Social Work
Virgil C. Noack, M.A. (Acting Head) Home Economics	Norris M. Durham, Ph.D. Sociology and Anthropology
Robert L. Ross, Ph.D. Political Science	

School of Business

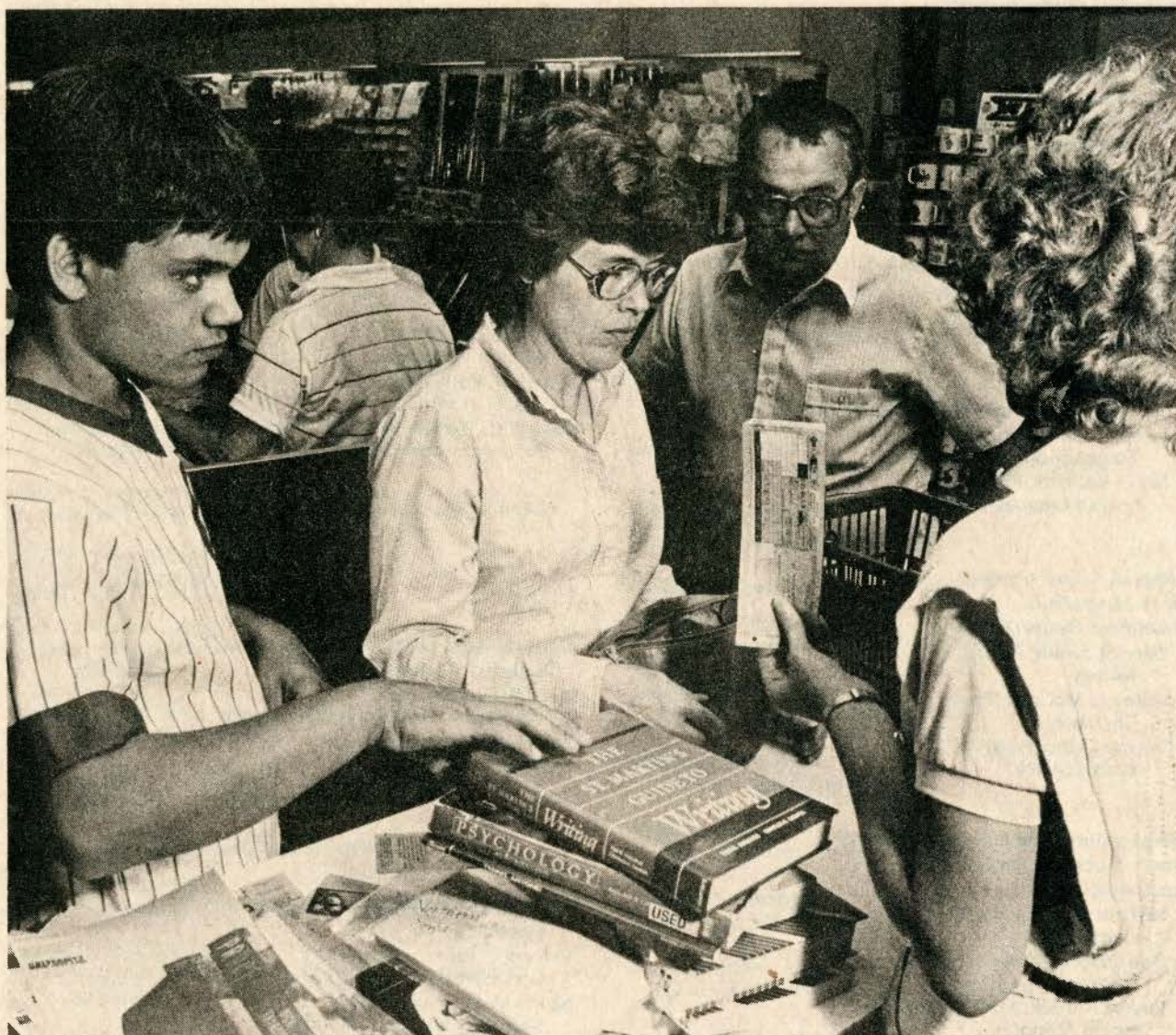
S. ElVon Warner, Ed.D. Acting Dean

Geoffrey T. Mills, Ph.D. Assistant Dean

Department Heads/Directors:

Gaylon L. Halverson, D.B.A. Accounting	Tony N. McAdams, J.D. Management
B. Wylie Anderson, Ph.D. Economics	Steven B. Corbin, Ed.D. Marketing
James L. Burrow, Ph.D. (Acting Head) Information Management	

Class Schedule



Abbreviations of Classroom Building Names

ART	Art Building
A-2	Art 2
ANL	Anthropology Lab.
Aud	Auditorium
Bak	Baker Hall
BRC	Biology Research Complex
CAC	Communication Arts Center
CUE	Center for Urban Education (CUE is located at 715 East 4th Street, Waterloo, Iowa. Students enrolling for classes at CUE must provide their own transportation.)
EdC	Education Center
EP1	East Pool
EST	East Gymnasium

GNA	Greenhouse Annex
ITC	Industrial Technology Center
LAT	Latham Hall (formerly Arts and Industries)
Lib	Library
MSH	McCollum Science Hall
PEC	Physical Education Center
Phy	Physics
PLS	Price Laboratory School
P-1	Psychology I
Rsl	Russell Hall
Sab	Sabin Hall
SHC	Student Counseling and Health Center
Srl	Seerley Hall
SWT	Strayer-Wood Theatre
WRT	Wright Hall
WST	West Gymnasium

SUMMER 1986

Dpt:CrS Sec Cr Time Days Instr Bldg Rm

00 INDIVIDUAL STUDIES

8-Week Session (June 9 - August 1)

ALL STUDENTS registering for 00:192, Section 1, 00:196, 00:197, or 00:198, ARE TO ATTEND THE GENERAL MEETING AT 1:00 p.m., Wednesday, June 11, IN BAKER HALL 59. Students who register for Self-Forming Seminar, Interdisciplinary Readings, Undergraduate Thesis, or Individual Study Project must: 1) fill out a prospectus outlining the proposed area of study and 2) turn in the completed form to the Individual Studies Office. Guidelines and details concerning prospectuses, important deadlines, role of faculty consultant and suggestions for organizing independent study are available in the Individual Studies Program Office, Baker 59, 273-2504.

00:192	Exploratory Seminar Self-Forming	1 1-3	arr	arr	Bramhall	Bak	59
(Prospectus to be filed in Baker 59 by Monday June 16. For small groups of two to twelve students interested in a common area of independent study.)							
00:196	Interdisciplinary Readings	1 1-3	arr	arr	Bramhall	Bak	59
(Each student will attach a specialized reading list to prospectus for this course. Prospectus to be filed in Baker 59 by Monday, June 16.)							
00:197	Undergraduate Thesis (Registration requires written approval of the Individual Studies Director)	1 3-6	arr	arr	Bramhall	Bak	59
(Prospectus to be filed in Baker 59 by Monday, June 16. Open only to students who have an approved Individual Studies major and/or have been approved for graduation with Individual Honors.)							
00:198	Individual Study Project	1 1-3	arr	arr	Bramhall	Bak	59
(Prospectus to be filed in Baker 59 by Monday, June 16.)							

01 UNIVERSITY INTERDISCIPLINARY

First 4-Week Session (June 9 - July 3)

01:070	Human Relations: Awareness and Application (Materials fee \$5.00)	80 3	1:20-3:30	Daily		EdC	182 183
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Second 4-Week Session (July 7 - August 1)

01:070	Human Relations: Awareness and Application (Materials fee \$5.00)	90 3	1:20-3:30	Daily		EdC	182 183
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WORKSHOPS ARE LISTED IN THE BACK OF THE BOOK

12 ACCOUNTING

All students registering for Accounting courses must go to Seerley 12 for School of Business approval between 8:00 a.m. and 4:00 p.m.

All students taking courses from the School of Business must attend the first two classes or the first night class or they MAY be dropped from the course.

Registration for 100-level courses requires a declared major and Junior standing.

8-Week Session (June 9 - August 1)

12:030	Principles of Accounting I (Sophomore standing)	1 3	8:40	Daily	Davis	Sr1	134
		2	11:00	Daily	Norem	Sr1	102
		3	1:20	Daily	Nicholas	Sr1	202
12:031	Principles of Accounting II (C- or better in 12:030)	1 3	8:40	Daily	MacArthur	Sr1	202
		2	11:00	Daily	MacArthur	Sr1	202
		3	1:20	Daily	Rod	Sr1	102

12 ACCOUNTING (CONTINUED)

8-Week Session (June 9 - August 1) (Continued)

12:129	Intermediate Accounting I (12:031)	1 3	1:20	Daily	Sandell	Sr1	134
12:130	Intermediate Accounting II (12:129)	1 3	11:00	Daily	Davis	Sr1	134
12:131g	Cost Accounting (12:031)	1 3	9:50	Daily	Rod	Sr1	102
12:132g	Income Tax	1 3	8:40	Daily	Halverson	Sr1	102
12:170g	Special Problems - Accounting (Registration requires written approval of Department Head)	1 1-3	arr	arr	Halverson	Sr1	24
12:179	Cooperative Education (Registration requires written approval of Department Head)	1 1-6	arr	arr	Halverson	Sr1	24

13 MARKETING

All students registering for Marketing courses must go to Seerley 12 for School of Business approval between 8:00 a.m. and 4:00 p.m.

All students taking courses from the School of Business must attend the first two classes or the first night class or they MAY be dropped from the course.

Registration for 100-level courses requires a declared major and Junior standing.

8-Week Session (June 9 - August 1)

13:140g	Consumer Behavior and Marketing Decisions (13:152)	1 3	3:40-4:55	MTWTh	Haley	Sr1	102
13:147g	Advertising and Promotional Management (13:140; 13:152)	1 3	12:10	Daily	Glynn	Sr1	134
13:151g	Marketing Research (13:152; 15:020; C- or better in 15:070)	1 3	7:15-8:30	MTWTh a.m.	Clayson	Sr1	202
13:152	Principles of Marketing (Junior standing; 92:024 or 92:053)	1 3	9:50	Daily	Diamond	Sr1	235
13:169g	Internship - Marketing (Senior standing; 2.50 or better cumulative UNI GPA; and written approval of Department Head)	1 2-8	arr	arr	Corbin	Sr1	24
13:175g	Marketing Strategy and Analysis (13:140; 13:151)	1 3	6-8:40	MW eve	N. Wilson	Sr1	3A
13:179	Cooperative Education (Registration requires written approval of Department Head; offered only on credit/no credit basis)	1 1-6	arr	arr	Corbin	Sr1	24
13:180g	Special Problems - Marketing (Registration requires written approval of Department Head)	1 1-3	arr	arr	Corbin	Sr1	24
13:259	Marketing Strategy and Analysis (13:152; registration requires written approval of MBA Advisor) (Students who have taken 13:263-Marketing Management may not enroll in this course)	1 3	6-8:40	MW eve	N. Wilson	Sr1	3A
13:285	Individual Readings (Registration requires written approval of MBA Advisor)	1 1-3	arr	arr	Corbin	Sr1	24
13:297	Practicum (Registration requires written approval of MBA Advisor)	1 1-3	arr	arr	Corbin	Sr1	24
13:299	Research (Registration requires written approval of MBA Advisor)	1 1-6	arr	arr	Corbin	Sr1	24

SUMMER 1986

Dpt:Crs	Sec	Cr	Time	Days	Instr	Bldg	Rm
<u>13 MARKETING (CONTINUED)</u>							
<u>First 4-Week Session (June 9 - July 3)</u>							
13:179	Cooperative Education (Registration requires written approval of Department Head; offered only on credit/no credit basis)	80	1-6	arr	arr	Corbin	Sr1 24

<u>Second 4-Week Session (July 7 - August 1)</u>							
13:179	Cooperative Education (Registration requires written approval of Department Head; offered only on credit/no credit basis)	90	1-6	arr	arr	Corbin	Sr1 24

15 MANAGEMENT

All students registering for Management courses must go to Seerley 12 for School of Business approval between 8:00 a.m. and 4:00 p.m.

All students taking courses from the school of Business must attend the first two classes or the first night class or they MAY be dropped from the course.

Registration for 100-level courses requires a declared major and Junior standing.

8-Week Session (June 9 - August 1)

15:020	Quantitative Methods for Business (Recommend 4 years of high school math or 80:040)	1	3	7:30	Daily	Cooley	Sr1 102
15:070	Business Statistics (C- or better in 15:020)	1	3	12:10	Daily	R. Mills	Sr1 102
15:151	Corporation Finance (12:031; 15:070 or equivalent; 92:053; 92:054)	1	3	11:00	Daily	Birru	Sr1 235
15:153	Fundamentals of Management (Junior standing)	1	3	1:20	Daily	Winter	Sr1 234
15:154	Operations Management (12:031, 15:070)	Eve	1	3	6-8:40	MW eve	Ezzat Sr1 102
15:169	Management Internship (Open only to qualified majors in business with at least a 3.00 GPA. Registration requires written approval of Department Head)	1	2-8	arr	arr	McAdams	Sr1 135
15:170	Special Problems (Registration requires written approval of Department Head)	1	1-3	arr	arr	McAdams	Sr1 135
	Law	2	1-3	arr	arr	McAdams	Sr1 135
	Finance	3	1-3	arr	arr	McAdams	Sr1 135
15:175	Business Policy and Strategy (Senior Business majors; satisfactory completion of rest of Business Core)	1	3	2:30-3:45	Daily	L. Goulet	MSH 1536
		2		4-5:15	Daily	P. Goulet	MSH 1536
15:179	Cooperative Education (Registration requires written approval of Department Head)	1	1-6	arr	arr	McAdams	Sr1 135
15:264	Advanced Financial Management (Registration requires written approval of MBA Advisor)	Eve	1	3	6-8:40	MW eve	Rappaport Sr1 111
15:285	Individual Readings (Registration requires written approval of MBA Advisor)	1	1-3	arr	arr	McAdams	Sr1 135

15 MANAGEMENT (CONTINUED)

8-Week Session (June 9 - August 1) (Continued)

15:297	Practicum (Registration requires written approval of MBA Advisor)	1	1-3	arr	arr	McAdams	Sr1 135
15:299	Research (Registration requires written approval of MBA Advisor)	1	1-3	arr	arr	McAdams	Sr1 135

First 4-Week Session (June 9 - July 3)

15:100	Legal and Social Environment of Business (Formerly Introduction to Law and the Legal System; junior standing)	80	3	7:30-9:40	Daily	Evenson	Sr1 234
15:101	Business Law I	80	2	8:40 + 7:30	Daily MWF	Kirk	Sr1 235
15:151	Corporation Finance (12:031; 15:070 or equivalent; 92:053; 92:054)	80	3	9:50-12 + 3-5:00	Daily	Wyatt June 17 and 26	Sr1 201
15:165g	Organizational Behavior (15:070; 15:153)	80	3	9:50-12	Daily	Frost	Sr1 234

Second 4-Week Session (July 7 - August 1)

15:100	Legal and Social Environment of Business (Formerly Introduction to Law and the Legal System; junior standing)	90	3	7:30-9:40	Daily	Evenson	Sr1 234
15:102	Business Law II	90	2	8:40 + 7:30	Daily MWF	Kirk	Sr1 235
15:153	Fundamentals of Management (Junior standing)	90	3	9:50-12	Daily	Frost	Sr1 234

18 INFORMATION MANAGEMENT

All students registering for Information Management courses must go to Seerley 12 for School of Business approval between 8:00 a.m. and 4:00 p.m.

All students taking courses from the School of Business must attend the first two classes or the first night class or they MAY be dropped from the course.

Registration for 100-level courses requires a declared major and Junior standing.

8-Week Session (June 9 - August 1)

18:050	Typewriting II (14:047 or 18:047 or one semester of high school typing or equivalent) (Formerly 14:050)	1	2	7:30	Daily	Timpany	Sr1 326
						+ 2 hours lab arr	
18:051	Typewriting III (14:050 or 18:050 or one year of high school typing or equivalent) (Formerly 14:051)	1	2	7:30	Daily	Timpany	Sr1 326
						+ 2 hours lab arr	
18:070	Introduction to Information Systems (Same as 15:080)	1	3	12:10	Daily	Nantz	Sr1 234
18:170	Problems in Business Education (Registration requires approval of Instructor)(May be repeated for a total of 6 hours)	1	1-3	arr	arr	Burrow	Sr1 137
18:179	Cooperative Education (Registration requires written approval of Department Head; offered on credit/no credit basis)	1	1-6	arr	arr	Burrow	Sr1 137

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Dpt:Crs Sec Cr Time Days Instr Bldg Rm

18 INFORMATION MANAGEMENT (CONTINUED)

8-Week Session (June 9 - August 1) (Continued)

18:285 Individual Readings (Registration requires approval of Department Head; may be repeated for a maximum of 4 hours)
1 1-2 arr arr Burrow Srl 137

18:299 Research (Registration requires approval of Major Advisor and Department Head)
1 1-6 arr arr Burrow Srl 137

First 4-Week Session (June 9 - July 3)

18:046 Keyboarding
80 1 7:30 Daily Timpany Srl 326

18:220 Business Report Writing (18:114 or approval of Instructor)
80 3 9:50-12 Daily Handorf Srl 111

Second 4-Week Session (July 7 - August 1)

18:047 Typewriting I (18:046 or equivalent; formerly 14:047)
90 1 7:30 Daily Timpany Srl 326

18:118g Adult/Continuing Business Education
90 3 1:20-3:30 Daily Burrow Srl 111

18:289 Seminar: Administrative Management Policy
90 3 3:40-5:50 Daily Gammill Srl 111

WORKSHOPS ARE LISTED IN THE BACK OF THE BOOK

19 EDUCATION, INTERDEPARTMENTAL

8-Week Session (June 9 - August 1)

19:311 Educational Leadership and Systems Change (Doctoral status or college approval)
1 3 1:20-4:20 TTh Wedman EdC 425

19:389 Dissertation Seminar (Registration requires written approval of Advisor)
1 3 arr arr Carver EdC 205

19:399 Dissertation Research (Registration requires written approval of Advisor)
1 1-6 arr arr

20 EDUCATIONAL PSYCHOLOGY

The Professional Sequence for Teacher Education is comprised of the following courses:

Level I 20:017, 20:030
Level II 20:018, 20:040, 25:050
Level III 26:119

8-Week Session (June 9 - August 1)

20:017 Field Experience: Exploring Teaching (Corequisite: 20:030) REGISTRATION REQUIRES WRITTEN DEPARTMENTAL APPROVAL, EdC 617. (Hours will be arranged at Price Laboratory School between 8:30 and 12:00)
1 1 arr arr Brown PLS Aud

20:018 Field Experience: Teacher As A Change Agent (20:017, 20:030) (Corequisites: 20:040, 25:050) REGISTRATION REQUIRES WRITTEN DEPARTMENTAL APPROVAL, EdC 617. (Hours will be arranged at Price Laboratory School between 8:30 and 12:00)
1 1 arr arr Dedrick PLS Aud

20:030 Dynamics of Human Development (40:008) (Corequisite: 20:017)
1 3 7:30 Daily Brown EdC 323

Dpt:Crs Sec Cr Time Days Instr Bldg Rm

20 EDUCATIONAL PSYCHOLOGY (CONTINUED)

8-Week Session (June 9 - August 1) (Continued)

20:040 Nature and Conditions of Learning (20:017, 20:030) (Corequisite: 20:018, 25:050)
1 3 7:30 Daily Wilson EdC 325

20:100g Child Psychology (20:030 or equivalent)
1 2 7:30 MWF Dunbar EdC 420

20:116g Psychology of Adolescence (20:030 or equivalent)
1 2 9:50 MWF Dunbar EdC 420

20:194g Clinical Experience (Registration requires written approval of Instructor)
1 1-4 arr arr Scott EdC 159A

20:214 Foundations of Instructional Psychology (Formerly: Advanced Educational Psychology)
1 3 8:40 Daily Dedrick EdC 325

20:270 Psychology of Learning Disabilities (25:181)
1 3 9:50 Daily Wilson EdC 182

20:285 Readings in Educational Psychology (Registration requires written approval of Department Head)
1 1-3 arr arr Kavich EdC 617

20:290 Practicum in Education and Psychology (Registration requires written approval of Instructor)
School Psychology
1 3 arr arr Schmits EdC 157
Specific Learning Disabilities
2 3 arr arr Schmits EdC 157

20:299 Research (Registration requires written approval of Department Head, EdC 617)
1 1-6 arr arr Kavich EdC 617

First 4-Week Session (June 9 - July 3)

20:151g Current Approaches to Classroom Discipline (20:030, 20:040 or equivalent; Junior standing)
80 3 9:50-12 Daily Froyen EdC 425

20:180 Field Experience: Urban Education (UNIQUE Tutoring Program) (Does not count as professional sequence credit)
80 1 9:50-12 MTWTh Gable CUE
81 1:20-3:30 MTWTh Gable CUE

Second 4-Week Session (July 7 - August 1)

20:109g Development of Young Children (Junior standing or approval of Instructor)
90 3 9:50-12 Daily Lee EdC 421

21 ELEMENTARY, EARLY CHILDHOOD, AND MIDDLE SCHOOL/JUNIOR HIGH

8-Week Session (June 9 - August 1)

21:289 Seminar in Education: Elementary, Early Childhood and Middle School/Junior High
1 2 12:10 MTh Aldridge/Heller EdC 121

First 4-Week Session (June 9 - July 3)

21:143 Social Studies in the Elementary School (Registration requires approval of Department Head)
80 2 8:40 Daily EdC 124
+ 2 hours arr

21:151 Early Childhood Curriculum (No credit for students with credit in 21:105)
80 3 1:20-3:30 Daily Koch EdC 123

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Dpt:Crs	Sec	Cr	Time	Days	Instr	Bldg	Rm
21 ELEMENTARY, EARLY CHILDHOOD, AND MIDDLE SCHOOL/JUNIOR HIGH (CONTINUED)							
First 4-Week Session (June 9 - July 3) (Continued)							
21:152		Elementary Curriculum (No credit for students with credit in 21:101)(Registration requires approval of Department Head)					
80	3		arr	arr		EdC	122
21:154		Nursery School and Kindergarten					
80	2	1:20-3:30	MTWTh	May		EdC	120
21:201		Issues and Trends in Elementary Curriculum (21:101 or approval of Department)					
80	3	9:50-12	Daily	Aldridge		EdC	122
21:243		Analysis and Improvement of Social Studies Instruction in the Elementary School (21:101 or 21:143 or approval of Department)					
80	3	7:30-9:40	Daily	Kuse		EdC	124
21:254		The Gifted Child (Registration requires approval of Instructor)					
80	3	9:50-12	Daily	Waack		EdC	121

Second 4-Week Session (July 7 - August 1)

21:141g		Correlated Activities and Materials in Elementary Schools Science and Mathematics	90	3	1:20-3:30	Daily	Stefanich	EdC 121
21:149g		Parent and Community Relations	90	2	9:50-12	MTWTh	Thompson	EdC 123

WORKSHOPS ARE LISTED IN THE BACK OF THE BOOK

22 SPECIAL EDUCATION

8-Week Session (June 9 - August 1)

22:153g	Classroom Adaptation for Children with Physical Disabilities							
	1	3	1:20-3:50	MW	Hamre-Nietupski	EdC	420	
22:170g	Educational Management of the Handicapped I (Registration requires written approval of Department Head) (Corequisites: 22:174 and 22:192)							
	1	3	1:20-3:50	MW	Raschke	EdC	421	
22:171g	Educational Management of the Handicapped II (Registration requires written approval of Department Head) (Corequisites: (Corequisites: 22:18x, 22:192)							
	1	3	1:20-3:50	MW	Etscheidt	EdC	128	
22:174g	Teaching the Handicapped (Registration requires written approval of Department Head) (Corequisites: 22:170, 22:192)							
	1	3	1:20-3:50	TTh	Callahan	EdC	421	
22:180g	Teaching the Handicapped: Primary (Registration requires written approval of Department Head) (Corequisites: 22:171, 22:192)							
Eve	1	3	4-6:30	TTh eve	Raschke	EdC	113	
22:181g	Teaching the Handicapped: Secondary (Registration requires written approval of Department Head) (Corequisites: 22:171, 22:192)							
Eve	1	3	4-6:30	TTh eve	Callahan	EdC	128	
22:182g	Teaching the Handicapped: Intermediate (Registration requires written approval of Department Head) (Corequisites: 22:171, 22:192)							
Eve	1	3	4-6:30	MW eve	Etscheidt	EdC	128	
22:183g	Teaching the Handicapped: Preacademic/Preschool (Registration requires written approval of Department Head) (Corequisites: 22:171, 22:192)							
Eve	1	3	4-6:30	MW eve	Nietupski	EdC	113	

22 SPECIAL EDUCATION (CONTINUED)

8-Week Session (June 9 - August 1) (Continued)

22:184g		Home-School Relationships for Special Education (Registration requires written approval of Department Head)	1	3	8:40-11:10	TTh		EdC 131b	
22:187g		Teaching Severely Handicapped Students (Registration requires written approval of Department Head) (Corequisites: 22:171, 22:192)	Eve	1	3	4-6:30	TTh eve	EdC 120	
22:192g		Experience in Special Education (Registration requires written approval of Department Head) (Sections 1 through 5 for undergraduates only)							
		Tutorial (Corequisites: 22:170, 22:174)	1	2	arr	arr		EdC 137	
		Primary (Corequisites: 22:171, 22:180)	4		arr	arr		EdC 137	
		Intermediate (Corequisites: 22:171, 22:182)	5		arr	arr		EdC 137	
		Severely Handicapped (Corequisites: 22:171, 22:187)	8		arr	arr		EdC 137	
		Secondary (Corequisites: 22:171, 22:181)	12		arr	arr		EdC 137	
		Preacademic (Corequisites: 22:171, 22:183)	13		arr	arr		EdC 137	
		Preschool (Corequisites: 22:171, 22:183)	14		arr	arr		EdC 137	
22:240		The Consultation Process in Special Education (Registration requires written approval of Department Head) (Corequisites: 22:245, 22:290)	1	3	8:40	Daily	Little	EdC 128	
22:245		Resource Strategies for the Handicapped (Registration requires written approval of Department Head) (Corequisites: 22:240, 22:290)	1	3	9:50	Daily	Little	EdC 128	
22:251		Vocational Programs for the handicapped (Registration requires written approval of Department Head)	1	3	1:20-3:50	TTh	Anderson	EdC 128	
22:252		Community Resources for Special Education (Registration requires written approval of Department Head)	Eve	1	3	4-6:30	MW eve	Courtage	EdC 120
22:278		Administration of Special Education (Registration requires written approval of Department Head)	1	3	1:20-3:50	TTh		EdC 420	
22:289		Seminar in Special Education (Registration requires written approval of Department Head)	1	3	1:20-3:50	MW		EdC 425	
22:290		Practicum in Special Education (Registration requires written approval of Department Head)							
		Interdisciplinary	1	2	8:30-11	TTh	Courtage	EdC 131	
		Consultation (Corequisites: 22:240, 22:245)	5		arr	arr	Little	EdC 128	
		Special Education	13		arr	arr	Thompson	EdC 150	

First 4-Week Session (June 9 - July 3)

22:150g		The Exceptional Child (Junior standing; students cannot earn credit for both 22:050 and 22:150)	80	3	9:50-12	Daily	Anderson	EdC 124
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SUMMER 1986

Dpt:Crs Sec Cr Time Days Instr Bldg Rm

23 READING AND LANGUAGE ARTS

8-Week Session (June 9 - August 1)

23:044	Children's Literature	1 3	11:00	Daily		EdC 116
23:110	Reading and Language Arts	1 5	7:30 + 8:40	Daily MWF	Euchner	EdC 113
23:113g	Teaching Expressive Language Arts	1 3	8:40	Daily	Harms	EdC 116
23:144g	Literature for Elementary Children	1 3	7:30	Daily	Harms	EdC 116
23:147g	Remedial Reading (23:140; corequisite: 23:192. Registration requires written approval of Dr. Hatcher)	1 3	12-2:30	TTh	Oates	EdC 142
23:192g	Experience in Reading: Tutoring (23:140; corequisite: 23:147)	1 2	arr	arr	Oates	EdC 159C
23:240	Language, Learning, and Reading Disability (Pre- or corequisite: 23:238)	1 3	9:50 + 11:00	MWF MW	Hatcher	EdC 142
23:289	Seminar in Reading and Language Arts	1 2	12:10	MWTh	Ratekin	EdC 120
23:290	Practicum (Registration requires written approval of Dr. Hatcher)	1 2	arr	arr	Hatcher	EdC 159C
23:299	Research (Registration requires written approval of Dr. Hatcher)	1 2-4	arr	arr	Hatcher	EdC 159C

First 4-Week Session (June 9 - July 3)

23:132g	Reading in Content Areas (June 16 - July 3)	80 2	9:50-12	Daily	Ratekin	EdC 113
23:238	Diagnosis of Reading Problems (23:147)(Registration requires written approval of Dr. Hatcher)	80 3	2:30-4:40	Daily	Beckman	EdC 142
23:250	Issues and Trends in Reading and Language Arts	80 3	1:20-3:30	Daily	Wedman	EdC 116

Second 4-Week Session (July 7 - August 1)

23:130g	Teaching Reading to Adolescents	90 3	9:50-12	Daily	Ratekin	EdC 113
23:140g	Diagnostic Teaching of Reading and Language Arts (23:110 or 23:130; registration requires written approval of Instructor)	90 3	1:20-3:30	Daily	Heller	EdC 113
23:210	Recent Research in Reading	90 3	8:40-10:50	Daily	D. Moore	EdC 144

24 EDUCATIONAL MEDIA

LAB FEES ARE NOT REFUNDED AFTER THE LAST OFFICIAL DAY TO ADD A CLASS

8-Week Session (June 9 - August 1)

24:032	Audio-Visual Equipment Maintenance (Registration requires written approval of Instructor)	1 1	arr	arr	Eller	Com 220
24:131g	Resources for Communications (Lab fee \$10.00)	1 3	9:50-12 + 2 hours lab arr	TTh	Kueter	Commons Studio A

24 EDUCATIONAL MEDIA (CONTINUED)

8-Week Session (June 9 - August 1) (Continued)

24:138g	Graphics Production (24:031, 24:131, or equivalent) (Lab fee \$25.00)	1 3	9:50-12 + 3 hours lab arr	MW	Dykstra	Commons Studio B
24:147g	Photography (Lab fee \$25.00)	1 3	1:20-4:40	MW	Goro	Commons Studio A
24:151g	Fundamentals of Motion Picture Production (Registration requires written approval of Instructor) (Lab fee \$10.00)	1 3	8:40-12	MW	Hardman	Commons Studio B
24:155g	Audio Production (Registration requires written approval of Instructor) (Lab fee \$10.00)	1 2	1-3:10 + 2 hours lab arr	TTh	Marchesani	EdC 130A
24:156g	Multi-Image Production (Registration requires written approval of Instructor) (Lab fee \$10.00)	1 2	9:50-12	MW	Hinshaw	Commons Studio A
24:160	Media Projects (Registration requires written approval of Instructor)					
	Television (24:150)	1 1-4	arr	arr	Marchesani	EdC 012
	Graphics (24:031 or 24:131, 24:138) (Lab fee \$25.00)	2 1-4	arr	arr	Hendrickson	Com 121
	Film (24:151, 24:152) (Lab fee \$25.00)	3 1-4	arr	arr	Hardman	Com 210
	Photography (24:147) (Lab fee \$25.00)	4 1-4	arr	arr	Goro	Com 121
	Multi-Media Communications (24:031 or 24:131, 24:137) (Lab fee \$10.00)	5 1-4	arr	arr	Hinshaw	Com 121D
24:186	Studies in Media (Registration requires written approval of Dr. Hardman, Commons 210)	1 1-4	arr	arr	Hardman	Com 210
24:189	Readings in Media (Registration requires written approval of Dr. Hardman, Commons 210)	1 1-3	arr	arr	Hardman	Com 210
24:232	Selection and Integration of Materials (Registration requires written approval of Instructor)	1 2-3	arr	arr	Hardman	Com 210
24:260	Advanced Media Projects (Registration requires written approval of Instructor)					
	Television (24:150) (Lab fee \$10.00)	1 1-4	arr	arr	Marchesani	EdC 012
	Graphics (24:031 or 24:131, 24:138) (Lab fee \$25.00)	2 1-4	arr	arr	Hendrickson	Com 121
	Film (24:151, 24:152) (Lab fee \$25.00)	3 1-4	arr	arr	Hardman	Com 210
	Photography (24:147) (Lab fee \$25.00)	4 1-4	arr	arr	Goro	Com 121
	Multi Media Communications (24:031 or 24:131, 24:137) (Lab fee \$10.00)	5 1-4	arr	arr	Hinshaw	Com 121D
	Computer Applications (24:205)	6 1-4	arr	arr	Wedman	EdC 622
24:285	Readings in Media (Registration requires written approval of Instructor)	1 1-3	arr	arr		EdC 642
24:286	Studies in Media (Registration requires written approval of Instructor)	1 1-4	arr	arr		Com 210

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24 EDUCATIONAL MEDIA (CONTINUED)

8-Week Session (June 9 - August 1) (Continued)

24:289 Seminar in Educational Media
1 2 12:10-1:10 MW Kueter EdC 122
+ 12:10-2:20 F

24:297 Practicum in Educational Media (Registration requires written approval of Instructor)
1 2-3 arr arr Hardman Com 210

24:299 Research in Educational Media (Registration requires written approval of Department Head)
1 2-6 arr arr EdC 642

First 4-Week Session (June 9 - July 3)

24:232 Selection and Integration of Materials (Registration requires written approval of Instructor)
80 2-3 arr arr Hardman Com 210

24:286 Studies in Media (Registration requires written approval of Instructor)
80 1-4 arr arr

Second 4-Week Session (July 7 - August 1)

24:232 Selection and Integration of Materials (Registration requires written approval of Instructor)
90 2-3 arr arr Hardman Com 210

24:286 Studies in Media (Registration requires written approval of Instructor)
90 1-4 arr arr

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25 MEASUREMENT AND RESEARCH

8-Week Session (June 9 - August 1)

25:050 Classroom Evaluation Instruments (20:017, 20:030) (Corequisites: 20:018, 20:040)
1 3 9:50 Daily Rogers EdC 423

25:180g Statistical Methods in Education and Psychology (A fee will be assessed for classroom materials) (Junior standing or approval of Instructor)
1 3 8:40 Daily Erickson EdC 423
+ lab arr

25:205 Educational Research
1 3 7:30 Daily Rogers EdC 423
2 11:00 Daily Smith EdC 323

25:284 Psychodynamics III (25:283)
1 3 arr arr Scott EdC 159A

25:299 Research (Registration requires written approval of Department Head)
1 1 arr arr Erickson EdC 607

First 4-Week Session (June 9 - July 3)

25:181g Group Evaluation Techniques (Junior standing or approval of Instructor)
80 3 12:10-2:20 Daily Strathe EdC 325

26 SOCIAL FOUNDATIONS

8-Week Session (June 9 - August 1)

26:119 Schools and American Society (20:018, 20:040, 25:050)
1 4 8:40-10:50 MTWTh Rutkowski EdC 323
2 1:20-3:30 MTWTh Reppas EdC 322

26:198 Independent Study (Registration requires written approval of Department Head)
1 1-3 arr arr Smith EdC 515

First 4-Week Session (June 9 - July 3)

26:234 Philosophy of Education
80 3 1:20-3:30 Daily Fortgang EdC 323

26:235 History of American Education
80 3 9:50-12 Daily Berg EdC 421

27 EDUCATIONAL ADMINISTRATION

8-Week Session (June 9 - August 1)

27:201 Introduction to Educational Administration
1 3 11:00 Daily Albrecht EdC 406

27:204 School and Community Relations
1 3 9:50 Daily Hanson EdC 406

27:212 Supervision of the Elementary School
1 3 7:30 Daily Decker EdC 406

27:221 Administration of the Elementary School (27:201; One year teaching experience)
1 3 9:50 Daily EdC 531

27:226 Supervision of the Secondary School
1 3 7:30 Daily Decker EdC 406

27:227 Administration of the Secondary School Curriculum
1 3 8:40 Daily Albrecht EdC 406

27:228 Administration of the Secondary School (27:201; One year teaching experience)
1 3 9:50 Daily EdC 183

27:230 School Laws
1 3 8:40 Daily McCumsey EdC 531

27:243 School Business Management (27:240) (Materials fee \$5.00) (Registration requires written approval of Instructor)
1 3 12:30-3:00 TW Hanson EdC 531

27:259 Educational Administration Computer Application
2 3 11:00 Daily Decker EdC 129

27:266 Clinical Supervision
1 3 7:30 Daily Krajewski EdC 531

27:285 Readings in Educational Administration (Registration requires written approval of Instructor)
1 1-3 arr arr EdC 508

27:290 Practicum in Educational Administration (May be taken in more than one area; only twice for credit in same area; requires written approval of Instructor for each section)
Curriculum and Supervision (Ed.S.)
3 3 arr arr Hanson EdC 524
Administration (Ed.S.)
4 3 arr arr Hanson EdC 524

27:299 Research (Registration requires written approval of Instructor)
1 1-3 arr arr EdC 508

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28 STUDENT TEACHING

Summer student teaching is offered only to students who meet the requirements of the Teacher Education Coordinating Council, and is available only to students who have had teaching experience and can complete a degree program at this university during the summer session of 1986. Student teaching will be offered only in the elementary grades for 4 semester hours of credit. The abbreviated summer school session at Price Laboratory School begins on June 16 and terminates on July 25, 1986. This credit will meet the requirements in student teaching; additional hours may be taken in elective courses. Interested students should file applications no later than April 14 with the Office of Student Field Experiences, EdC 509, UNI.

8-Week Session (June 9 - August 1)

Dpt:Crs	Sec	Cr	Time	Days	Instr	Bldg	Rm
28:132	1	4	arr	Daily	Doud	PLS	
Early Childhood Teaching (Professional Sequence - Levels I and II, Professional Semester, and approval of major department(s))							
28:134	1	4	arr	Daily	Doud	PLS	
Lower Elementary Teaching (Professional Sequence - Levels I and II, Professional Semester, and approval of major department(s))							
28:135	1	4	arr	Daily	Doud	PLS	
Special Education Teaching (Professional Sequence - Levels I and II, Professional Semester, and approval of major department(s))							
28:136	1	4	arr	Daily	Doud	PLS	
Upper Elementary Teaching (Professional Sequence - Levels I and II, Professional Semester, and approval of major department(s))							
28:137	1	4	arr	Daily	Doud	PLS	
Middle School/Junior High School Teaching (Professional Sequence - Levels I and II, Professional Semester, and approval of major department(s))							
28:139	1	4 or 8	arr	Daily			
Vocational/Technical Teaching (Professional Sequence - Levels I and II, and approval of major department(s)) (Beginning and ending dates arranged)							
28:140	1	4	arr	Daily	Doud	PLS	
Special Area Teaching - Elementary level ONLY (Professional Sequence - Levels I and II, and approval of major department(s))							
28:150	1	4	arr	Daily	Doud	PLS	
Laboratory Practice - Elementary (Registration requires approval of the Director of Student Field Experiences and major department(s)). The course is for experienced teachers who need student teaching to fulfill certification, endorsement, and/or approval area requirements.							
28:250	1	2-4	arr	Daily		PLS	
Advanced Laboratory Practice (Registration requires approval of Director, Office of Student Field Experiences and Head, Department of Teaching) The course is for <u>graduate</u> students ONLY.							

29 COUNSELING

8-Week Session (June 9 - August 1)

Dpt:Crs	Sec	Cr	Time	Days	Instr	Bldg	Rm
29:103g	1	3	8:30-11	TTh	Lembke	EdC	306
Introduction to Professional Counseling (Limited to students with junior, senior or graduate status)							
29:105g	1	3	1-3:30	MW	Strub	EdC	306
	2	3	1-3:30	TTh	Smith	EdC	306
Relationship Skills (Limited to students with junior, senior or graduate status)							
(Section 2 for graduate MAJORS only)							

29 COUNSELING (CONTINUED)

8-Week Session (June 9 - August 1) (Continued)

Dpt:Crs	Sec	Cr	Time	Days	Instr	Bldg	Rm
29:125g	1	2	11:30-1:00	TTh	Lembke	EdC	306
Facilitating Career Development							
29:203	1	3	8:30-11	MW	Kimball	EdC	403
Analysis of the Individual (25:180 or 25:181 or 29:103)							
29:205	1	3	8:30-11	TTh	Smith	EdC	303 305
Counseling Processes (29:105) (Lab required)							
29:207	1	3	8:30-11	MW	Vernon	EdC	303 305
Counseling Processes with Children (29:105 or 29:205) (Lab required)							
29:210	1	2	11:30-1	TTh	Frank	EdC	303 305
Management Systems in Guidance (One year teaching experience and Instructor approval)							
29:220	1	3	1-3:30	MW	Kline	EdC	406
Group Process (29:205 or 29:207)							
29:226	1	2	11:30-1	MW	Vernon	EdC	403
Consultation Skills (29:205)							
29:227	1	3	1-3:30	TTh	Frank	EdC	303 305
Counseling Theory (29:105)							
29:230	1	3	8:30-11	TTh	Kimball	EdC	403
Student Personnel Programs in Higher Education							
29:240	1	3	8:30-11	MW	Kline	EdC	306
Intervention Strategies (29:205, 29:227)							
29:285	1	1-3	arr	arr		EdC	508
Readings in Guidance and Counseling (Registration requires written approval of Instructor)							
29:290	1	3	arr	arr	Kimball	EdC	523
Practicum in Counseling (Registration requires written approval of Instructor)							
29:299	1	1-3	arr	arr		EdC	508
Research (Registration requires written approval of Instructor)							

30 SAFETY EDUCATION

8-Week Session (June 9 - August 1)

Dpt:Crs	Sec	Cr	Time	Days	Instr	Bldg	Rm
30:030	1	3	7:30	Daily	Mazula	EdC	120
Principles of Safety Education							
30:130g	1	3	8:40	Daily	Eland	A-2	
Driver and Traffic Safety I							
			+ 3 hours arr				
30:131g	1	3	9:50	Daily	Eland	A-2	
Driver and Traffic Safety II							
			+ 3 hours arr				

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31 HOME ECONOMICS

All students taking courses from the Department of Home Economics must attend the first two classes or the first night class or they MAY be dropped from the course.

8-Week Session (June 9 - August 1)

31:015	Clothing Construction I	1 2	7:30-9:40	MTh	Megivern	Wrt	314 308
31:195	Pre-Professional Experience (Registration requires written approval of Department Head. All major work, including business courses, must be completed.)						
	Clothing and Textiles	1 4	arr	arr	Megivern		
	Foods and Nutrition	2 4	arr	arr	Conklin		
	Design and the Human Environment	3 4	arr	arr	Widmer		
	Family Services	4 4	arr	arr	Franken		

First 4-Week Session (June 9 - July 3)

31:037	Principles of Nutrition (31:035, 86:048 or 86:063)	80 3	7:30-9:40	Daily	Spaide	Wrt	16
31:060	Related Design	80 3	7:30-9:40	Daily	Widmer	Wrt	307
	+ 2 hours weekly arr						
31:070	Management of Family Resources (Sophomore standing)	80 3	9:50-12	Daily	Pershing	Wrt	16
31:152g	Family Relationships (Registration limited to juniors, seniors, and graduate students)	80 3	9:50-12	Daily	Story	Wrt	7
31:184g	Topic: Display Techniques (Junior standing and registration requires written approval of Instructor)	82 3	1-3:50	Daily	Roberts	Wrt	307

Second 4-Week Session (July 7 - August 1)

31:030	Basic Nutrition	90 2	12:10	Daily	Conklin	Wrt	16
	+ 1:20			TTh			
31:057	Human Relationships and Sexuality	90 3	9:50-12	Daily	Wells	Wrt	16

WORKSHOPS ARE LISTED IN THE BACK OF THE BOOK

33 INDUSTRIAL TECHNOLOGY

8-Week Session (June 9 - August 1)

33:005	Production Systems	1 2	9:50	MMF	P. Miller	ITC	3
33:020	Communication Systems	1 2	12:10	MMF	Fecik	ITC	3
33:172g	Industrial Materials (86:020 or 86:044; or approval of Instructor; junior standing)	1 2	11:00	MM	Fahmy	ITC	6
	+ 11:00			TTh		ITC	14
33:179	Cooperative Education (Planned work and study in industry related to student's major)(Registration requires approval of Instructor)	1 1-6	arr	arr	Freitag	ITC	33
33:187g	Applied Industrial Supervision and Management (15:153 or 33:143 or approval of Instructor)	Sat 1 2	9-12:00	Sat	White	ITC	6

33 INDUSTRIAL TECHNOLOGY (CONTINUED)

8-Week Session (June 9 - August 1) (Continued)

33:200	Industrial Technology Concepts and Issues (Registration requires approval of Instructor)	1 2	9:50	MMF	Dennis	ITC	6
33:271	Industrial Experience (Registration requires approval of advisor and Coordinator of Graduate Programs)	1 2-3	arr	arr	Dennis	ITC	46
33:282	Industrial Technology Seminar	1 1	9:50-12	F	L. Miller	ITC	2
33:284	Industrial Technology (Technical problems selected and solved by individuals or small groups of students.)(Registration requires one-page written prospectus and written approval of the Instructor)						
	Construction and Architectural Drafting	1 2	arr	arr	Lovata	ITC	42
	Electronics	2 2	arr	arr	Pershing	ITC	32
	Graphic Arts and Photography	3 2	arr	arr	Dennis	ITC	46
	Manufacturing	4 2	arr	arr	Pine	ITC	40
	Woods Technology	7 2	arr	arr	L. Miller	ITC	39
	Industrial Supervision	8 2	arr	arr	White	ITC	29
	Vocational-Technical Education	11 2	arr	arr	Freitag	ITC	33
	Industrial Arts Education	12 2	arr	arr	Betts	ITC	35
33:292	Research Methods in Industrial Technology	1 3	6-8:30	MM eve	P. Miller	ITC	6
33:297	Practicum in Industrial Technology (Registration requires written approval of Coordinator of Graduate Programs)	1 2-3	arr	arr	Dennis	ITC	46
33:299	Research (Registration requires written approval of Coordinator of Graduate Programs and advisor)	1 1-6	arr	arr	Dennis	ITC	46
33:377	Readings in Technology and Society (33:376)	1 3	9:50-12	TTh	L. Miller	ITC	6
	+ 1 hour arr						
33:378	Technology, Ethics and the Technologist (33:375; 33:376; 33:377; or approval of Instructor)	1 3	3:40-5:50	TTh	White	ITC	6
	+ 1 hour arr						
33:388	Internship (Registration requires written approval of Coordinator of Graduate Programs and advisor)	1 3-6	arr	arr	Dennis	ITC	46
33:399	Research (Registration requires written approval of Coordinator of Graduate Programs and advisor)	1 1-6	arr	arr	Dennis	ITC	46

First 4-Week Session (June 9 - July 3)

33:022	Communications Technology (Pre- or corequisite 33:020) (Lab fee \$10.00) LAB FEES ARE NOT REFUNDED AFTER THE LAST OFFICIAL DAY TO ADD A CLASS	80 3	7:30-10:50	Daily	Johnson	ITC	18 19
33:117g	Computer-Aided Drafting (33:024; Manufacturing Technology major with concentration in Mechanical Design; Junior standing; or approval of Instructor)	80 2	1:20-3:30	MMF	Bartels	ITC	19
	+ 3 hours arr						

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33 INDUSTRIAL TECHNOLOGY (CONTINUED)

First 4-Week Session (June 9 - July 3) (Continued)

33:127g Construction Techniques (33:005 and 33:011; or approval of Instructor)
80 3 7:30-10:50 Daily Lovata ITC 17

33:157g Introduction to Microcomputers (33:156; 81:070, or approval of Instructor)
80 2 3:40-5:40 Daily Pershing ITC 10

33:162g Applied Fluid Power (33:005 and 80:048; or approval of Instructor)
80 2 2:30-4:40 MWF Tolu Honary ITC 13
+ 2 hours arr

Second 4-Week Session (July 7 - August 1)

33:119g Computer Applications in Industrial Technology (Junior standing; 15:080 or 18:070 or 81:070 (BASIC); major in Industrial Technology; or approval of Instructor)
90 3 9:50 Daily Bro ITC 7
+ hours arr

Special Programs

33:182g Coordination of Part-time Industrial Education (Follow-up activity due July 3 - required if taken for two hours credit) (June 9-13)
1 1-2 1:20-4:40 Daily Freitag ITC 7
+ 2 hours arr

33:192g Non-Destructive Evaluation of Materials (Pre- or corequisite: 33:132 or 33:172 or approval of Instructor; senior standing) (June 9-13)
1 1 1:20-4:40 Daily Fahmy ITC 3
+ 2 hours arr 14

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35 LIBRARY SCIENCE

8-Week Session (June 9 - August 1)

35:113g Library Media Selection
1 3 8:40 Daily Lib 124

35:118g Reference (35:113)
1 3 8:40 Daily Lib 123

35:121g Introduction to the School Library Media Center
1 3 11:00 Daily Lib 123

35:132g Library Materials for Children
1 3 9:50 Daily Lib 124

35:225 Administration of the School Library Media Center (35:113, 35:121, and at least one other Library Science course)
1 3 11:00 Daily Hiland Lib 124

35:285 Individualized Readings (Registration requires written approval of Department Head)
1 1-3 arr arr Martin

35:290 Practicum (Registration requires written approval of Department Head)
1 1-4 arr arr Martin

35:295 Research in Library and Information Science
1 3 1:20 Daily Hiland Lib 124

35:299 Research (Registration requires written approval of Department Head)
1 1-3 arr arr Martin

35 LIBRARY SCIENCE (CONTINUED)

First 4-Week Session (June 9 - July 3)

35:110g Libraries and Information Services
80 2 2:30 Daily Martin Lib 124
+ 3:40 TTh

Second 4-Week Session (July 7 - August 1)

35:210 The Profession of Librarianship (35:110)
90 1 2:30 MWF Martin Lib 124

WORKSHOPS ARE LISTED IN THE BACK OF THE BOOK

40 PSYCHOLOGY

First 4-Week Session (June 9 - July 3)

40:008 Introduction to Psychology
80 3 7:30-9:40 Daily Gilpin Sab 103

40:118g History and Systems of Psychology (One course in psychology or departmental approval)
80 3 1:20-3:30 Daily Gilgen Sab 13

40:142g Abnormal Psychology (40:008)
80 3 7:30-9:40 Daily Somervill Sab 327

40:157g Personnel Psychology (40:008 or equivalent; junior standing or approval of Instructor)
80 3 9:50-12 Daily Whitsett Sab 13

40:162g Social Psychology (40:049; junior standing or approval of Instructor)
80 3 7:30-9:40 Daily Gackebach Sab 129

Second 4-Week Session (July 7 - August 1)

40:008 Introduction to Psychology
90 3 7:30-9:40 Daily Somervill Sab 103

40:106g Psychology of Human Differences (40:008 and 40:049; junior standing or approval of Instructor)
90 3 9:50-12 Daily Gilpin Sab 27

40:123 Introduction to Behavior Modification (40:008 or equivalent)
90 3 9:50-12 Daily Hellwig Sab 13

40:160 Introductory Social Psychology (40:008 or equivalent)
90 3 1:20-3:30 Daily Gackebach Sab 103

41 HEALTH

8-Week Session (June 9 - August 1)

41:015 Personal Health
1 2 8:40 MWF Davis EdC 182
2 11:00 MWF Cryer EdC 182

41:168 Field Experience in Community Health Education (Registration requires written approval of Dr. Davis) (Must be taken on credit/no credit basis)
1 6-12 arr arr Richards EdC 413

41:172g Experiences in Cardiac Rehabilitation (Registration requires written approval of Instructor)
1 2 6:30-8 MWF a.m. Covington/Smith PEC 216

41:185 Readings in Health Education (Registration requires written approval of Instructor)
1 1-4 arr arr Davis Wst 203

41:187 Internship in Athletic Training (41:175, 42:050, 42:151)
1 1 arr arr Noonan PEC 144

SUMMER 1986

Dpt:Crs	Sec	Cr	Time	Days	Instr	Bldg	Rm	Dpt:Crs	Sec	Cr	Time	Days	Instr	Bldg	Rm
41 HEALTH (CONTINUED)								42 PHYSICAL EDUCATION							
<u>8-Week Session (June 9 - August 1) (Continued)</u>								<u>8-Week Session (June 9 - August 1)</u>							
41:285	Readings in Health Education (Registration requires written approval of Dr. Davis)	1	1-4	arr	Davis	Wst	203	42:118	Practicum in Coaching (Junior standing)(Registration requires written approval of Instructor)	1	1	arr	Erusha	PEC	198
41:299	Research (Registration requires written approval of Instructor)	1	1-6	arr	Davis	Wst	203	42:153g	Physiology of Exercise	1	3	1:20-2:50	Daily	Dolgener	EdC 403
<u>First 4-Week Session (June 9 - July 3)</u>								42:185	Readings in Physical Education (Registration requires written approval of Instructor)	1	1-3	arr	Doody	Est	105
41:010	First Aid and Personal Safety - Standard Course (Red Cross certification for those who qualify) (41:072, Cardiac Life Support, may be taken second 4 weeks, same time period, for second credit)	80	1	7:30	MMF	Sandrey	Wst 206	42:253	Advanced Exercise Physiology	1	3	11-12:30	Daily	Dolgener	Wst 206
41:175g	Prevention and Care of Athletic Injuries (42:050 or 42:124 or equivalent)	80	2	1:20-3:50	MTWTh	Sandrey	PEC 142	42:285	Readings in Physical Education (Registration requires written approval of Instructor)	1	1-4	arr	Hensley	Wst	209A
41:176g	Health Education Planning and Evaluation (25:180, 41:153; Junior standing)	80	3	7:30-9:40	Daily	Moffit	EdC 422	42:295	Internship in Physical Education (Registration requires written approval of Instructor)	1	2-4	arr	Hensley	Wst	209A
41:285	Readings in Health Education (Registration requires written approval of Instructor)	80	1-4	arr	Davis	Wst	203	42:297	Practicum (Registration requires written approval of Instructor)	1	2	arr	Hensley	Wst	209A
41:299	Research (Registration requires written approval of Instructor)	80	1-6	arr	Davis	Wst	203	42:299	Research (Registration requires written approval of Instructor)	1	1-6	arr	Hensley	Wst	209A
<u>Second 4-Week Session (July 7 - August 1)</u>								<u>First 4-Week Session (June 9 - July 3)</u>							
41:010	First Aid and Personal Safety - Standard Course (May qualify for Red Cross certification)	90	1	8:40	MMF	Stych	Wst 206	42:A01	Modified Physical Education (For individuals limited to restricted activity; registration requires written approval of Instructor)	80	1	arr	Marsh	Wst	108B
41:072	Cardiac Life Support - CPR (Basic Rescuer's Course) (May qualify for American Heart Association Certification) (41:010, First Aid, may be taken first 4 weeks, same time period, for second credit)	90	1	7:30	MMF	Stych	Wst 206	42:A02	Beginning Target Archery (\$5.00 equipment fee)	80	1	1:20	Daily	Bakley	Est 14
41:175g	Prevention and Care of Athletic Injuries (42:050 or 42:124 or equivalent)	90	2	1:20-3:50	MTWTh		PEC 142		+ 1 hour arr						
41:255	Health Promotion/Risk Reduction	90	3	7:30-9:40	Daily	Richards	EdC 422	42:A05	Bowling (Equipment rental and alley fee \$31.00)	80	1	2:30-4:30	TWTh	Doody	Wst 206
41:285	Readings in Health Education (Registration requires written approval of Instructor)	90	1-4	arr	Davis	Wst	203	42:A39	Canoeing (Canoe rental fee)	80	1	2:30-4:30	TWTh	Schwarzenbach	Wst 206
41:299	Research (Registration requires written approval of Instructor)	90	1-6	arr	Davis	Wst	203	42:A16	Beginning Golf (\$5.00 equipment fee)	80	1	8:40	Daily	Marsh	Dome
<u>Special Programs</u>									+ 1 hour arr						
41:158g	Health Risk Appraisal (June 23, 25, 30, July 2)	Eve	1	6-10:00	MM eve	Davis	EdC 306	81	9:50	Daily	Marsh	Dome			
WORKSHOPS ARE LISTED IN THE BACK OF THE BOOK								82	11:00	Daily	Kidd	PEC 186			
									+ 1 hour arr						
								42:A46	Intermediate Golf (Beginning Golf or equivalent skill) (\$5.00 equipment fee)	80	1	7:30	Daily	Marsh	Dome
									+ 1 hour arr						
								42:A34	Personal Conditioning	80	1	7:30	Daily	W. Green	PEC 186
									+ 1 hour arr						
								81	9:50	Daily	Kidd	PEC 186			
								82	11:00	Daily	Kidd	PEC 186			
									+ 1 hour arr						
								42:A35	Weight Lifting and Heavy Resistance Training	80	1	8:40	Daily	Kidd	PEC 186
									+ 1 hour arr						
								81	9:50	Daily	Kidd	PEC 186			
									+ 1 hour arr						

SUMMER 1986

Dpt:Cr	Sec	Cr	Time	Days	Instr	Bldg	Rm
42 PHYSICAL EDUCATION (CONTINUED)							
<u>First 4-Week Session (June 9 - July 3) (Continued)</u>							
42:A24	Racquetball	80 1	8:40	Daily	Ahrabi-Fard	PEC	216
			+ 1 hour arr				
		81	11:00	Daily	Schwarzenbach	PEC	285S
			+ 1 hour arr				
42:A25	Beginning Swimming (For those who have had little or no instruction; cannot swim in deep water)	80 1	8:40	Daily	Henry	Wst	113
			+ 1 hour arr				
42:A26	Intermediate Swimming (Beginning Swimming or equivalent skill)	80 1	1:20	Daily	Henry	EPI	22
			+ 1 hour arr				
42:A29	Advanced Life Saving (Ability to swim 500 yards) (Red Cross certification to those who qualify)	80 1	2:30	Daily	Henry	EPI	22
			+ 1 hour arr				
42:A36	Beginning Tennis	80 1	7:30	Daily	Thompson	PEC	285N
			+ 1 hour arr				
		81	9:50	Daily	Phillips	PEC	285N
			+ 1 hour arr				
		82	11:00	Daily	Phillips	PEC	285N
			+ 1 hour arr				
		83	1:20	Daily	W. Green	PEC	285N
			+ 1 hour arr				
42:A51	Intermediate Tennis (Beginning Tennis or equivalent skill)	80 1	8:40	Daily	W. Green	PEC	285N
			+ 1 hour arr				
42:A37	Advanced Tennis (Beginning Tennis or equivalent skill)	80 1	7:30	Daily	Phillips	PEC	285S
			+ 1 hour arr				
42:A06	Aerobic Dance	80 1	8:40	Daily	Stodghill	Est	113
			+ 1 hour arr				
		81	9:50	Daily	Stodghill	Est	113
			+ 1 hour arr				
42:A48	Aqua Trim	80 1	7:30	Daily	Stodghill	EPI	22
			+ 1 hour arr				
42:011	Aquatics - Fundamental Physical Activities (Primarily for majors and minors in Physical Education)						
	Intermediate Swimming (Beginning Swimming or equivalent skill)	80 1	1:20	Daily	Henry	EPI	22
			+ 1 hour arr				
	Advanced Life Saving (Ability to swim 500 yards) (Red Cross certification to those who qualify)	82 1	2:30	Daily	Henry	EPI	22
			+ 1 hour arr				
42:015	Individual/Dual - Fundamental Physical Activities (Primarily for majors and minors in Physical Education)						
	Golf (\$5.00 equipment fee)	80 1	8:40	Daily	Marsh	Dome	
			+ 1 hour arr				
		82	9:50	Daily	Marsh	Dome	
			+ 1 hour arr				
		88	11:00	Daily	Marsh	Dome	
			+ 1 hour arr				
	Archery (\$5.00 equipment fee)	87 1	1:20	Daily	Bakley	Est	14
			+ 1 hour arr				
	Tennis	81 1	9:50	Daily	Phillips	PEC	285N
			+ 1 hour arr				
		83	11:00	Daily	Phillips	PEC	285N
			+ 1 hour arr				
		89	1:20	Daily	W. Green	PEC	285N
			+ 1 hour arr				

Dpt:Cr	Sec	Cr	Time	Days	Instr	Bldg	Rm
42 PHYSICAL EDUCATION (CONTINUED)							
<u>First 4-Week Session (June 9 - July 3) (Continued)</u>							
42:045	Physical Education for the Elementary Grades (Sophomore standing)	80 2	9:50-12	Daily	Thompson	Est	114
42:124g	Anatomy and Kinesiology (For coaching programs) (No credit for student with credit in 42:050 or 42:151)	80 2	9:50-12	MTWTh	Doody	Wst	204
42:127g	Organization and Administration of Competitive Sports	80 2	1:20-3:30	MTWTh	Erusha	EdC	423
42:129g	Advanced Sports Theory						
	Football	84 2	7:30-9:40	MTWTh	Remmert	PEC	142
	Softball	88 2	7:30-9:40	MTWTh	Bakley	PEC	186A Dome
42:168	Assisting in Physical Education (Registration requires written approval of Instructor)	80 1	arr	arr	Doody	Est	105
42:185	Readings in Physical Education (Registration requires written approval of Instructor)	80 1-3	arr	arr	Doody	Est	105
42:222	Sport Psychology	80 3	9:50-12	Daily	Huddleston	EdC	320
42:285	Readings in Physical Education (Registration requires written approval of Instructor)	80 1-4	arr	arr	Hensley	Wst	209A
42:295	Internship in Physical Education (Registration requires written approval of Instructor)	80 2-4	arr	arr	Hensley	Wst	209A
42:297	Practicum (Registration requires written approval of Instructor)	80 2	arr	arr	Hensley	Wst	209A
42:299	Research (Registration requires written approval of Instructor)	80 1-6	arr	arr	Hensley	Wst	209A

Second 4-Week Session (July 7 - August 1)

42:A01	Modified Physical Education (For individuals limited to restricted activity; registration requires written approval of Instructor)	90 1	arr	arr	Schwarzenbach	Wst	203
42:A02	Beginning Target Archery (\$5.00 equipment fee)	90 1	9:50	Daily	Cooper	Est	14
			+ 1 hour arr				
42:A05	Bowling (Equipment rental and alley fee \$31.00)	90 1	2:30-4:30	TWTh	Schwarzenbach	Wst	206
42:A39	Canoeing (Canoe rental fee)	90 1	1:20-3:20	TWTh	Cooper	Wst	206
42:A16	Beginning Golf (\$5.00 equipment fee)	90 1	8:40	Daily	K. Green	Dome	
			+ 1 hour arr				
		91	9:50	Daily	K. Green	Dome	
			+ 1 hour arr				
42:A17	Advanced Golf (\$5.00 equipment fee)	90 1	7:30	Daily	K. Green	Dome	
			+ 1 hour arr				

SUMMER 1986

Dpt:Crs	Sec	Cr	Time	Days	Instr	Bldg	Rm
<u>42 PHYSICAL EDUCATION (CONTINUED)</u>							
<u>Second 4-Week Session (July 7 - August 1) (Continued)</u>							
42:A34	Personal Conditioning						
90	1	7:30	Daily		PEC	186	
		+ 1 hour arr					
91		9:50	Daily	Covington	PEC	186	
		+ 1 hour arr					
92		11:00	Daily	Stych	PEC	186	
		+ 1 hour arr					
42:A24	Racquetball						
90	1	8:40	Daily	Schwarzenbach	PEC	216	
		+ 1 hour arr					
91		11:00	Daily	Hall	PEC	216	
		+ 1 hour arr					
42:A26	Intermediate Swimming (Beginning Swimming or equivalent skill)						
90	1	11:00	Daily	Cooper	EP1	22	
		+ 1 hour arr					
42:A36	Beginning Tennis						
90	1	7:30	Daily	East	PEC	285N	
		+ 1 hour arr					
91		8:40	Daily	Hall	PEC	285N	
		+ 1 hour arr					
92		9:50	Daily	Hall	PEC	285N	
		+ 1 hour arr					
42:A06	Aerobic Dance						
90	1	7:30	Daily	Shaddox	Est	113	
		+ 1 hour arr					
91		9:50	Daily	Shaddox	Est	113	
		+ 1 hour arr					
42:A48	Aqua Trim						
90	1	1:20	Daily	E. Green	Wst	113	
		+ 1 hour arr					
42:011	Aquatics - Fundamental Physical Activities (Primarily for majors and minors in Physical Education)						
	Intermediate Swimming (Beginning Swimming or equivalent skill)						
90	1	11:00	Daily	Cooper	EP1	22	
		+ 1 hour arr					
42:015	Individual/Dual - Fundamental Physical Activities (Primarily for majors and minors in Physical Education)						
	Golf (\$5.00 equipment fee)						
92	1	8:40	Daily	K. Green	Dome		
		+ 1 hour arr					
97		9:50	Daily	K. Green	Dome		
		+ 1 hour arr					
	Archery (\$5.00 equipment fee)						
91	1	9:50	Daily	Cooper	Est	14	
		+ 1 hour arr					
	Tennis						
93	1	7:30	Daily	East	PEC	285N	
		+ 1 hour arr					
42:045	Physical Education for the Elementary Grades (Sophomore standing)						
90	2	9:50-12	Daily	Marston	Est	114	
91		1:20-3:30	Daily	Marston	Est	114	
42:124g	Anatomy and Kinesiology (For coaching programs) (No credit for student with credit in 42:050 or 42:151)						
90	2	9:50-12	MTWTh		PEC	142	
42:129g	Advanced Sports Theory						
	Basketball						
92	2	7:30-9:40	MTWTh		PEC 186A		
					PEC 285S		
	Track and Field						
98	2	7:30-9:40	MTWTh	Bucknam	PEC	142	
					Dome		

42 PHYSICAL EDUCATION (CONTINUED)

Second 4-Week Session (July 7 - August 1) (Continued)

42:168	Assisting in Physical Education (Registration requires written approval of Instructor)						
90	1	arr	arr	Doody	Est	105	
42:185	Readings in Physical Education (Registration requires written approval of Instructor)						
90	1-3	arr	arr	Doody	Est	105	
42:274	Mearurement and Evaluation						
90	3	9:50-12	Daily	East	Wst	204	
42:285	Readings in Physical Education (Registration requires written approval of Instructor)						
90	1-4	arr	arr	Hensley	Wst	209A	
42:295	Internship in Physical Education (Registration requires written approval of Instructor)						
90	2-4	arr	arr	Hensley	Wst	209A	
42:297	Practicum (Registration requires written approval of Instructor)						
90	2	arr	arr	Hensley	Wst	209A	
42:299	Research (Registration requires written approval of Instructor)						
90	1-6	arr	arr	Hensley	Wst	209A	

Special Programs

42:200	Computer Applications in Physical Education (July 7-18)						
1	2	1-4:00	Daily	Hensley	EdC	206	

WORKSHOPS ARE LISTED IN THE BACK OF THE BOOK

43 RECREATION

8-Week Session (June 9 - August 1)

43:141	Camp Counseling (Fieldwork) (Registration requires written approval of Professor Mertesdorf)						
1	2	arr	arr	Mertesdorf/ Pittman/Wilson	Est	204	
43:165	Leisure Services Field Experience (Registration requires written approval of Professor Mertesdorf)						
	Special Populations						
1	1-3	arr	arr	Mertesdorf/ Pittman/Wilson	Est	204	
	Community Recreation						
2	1-3	arr	arr	Mertesdorf/ Pittman/Wilson	Est	204	
43:185	Readings in Recreation (Registration requires written approval of Instructor)						
1	1-3	arr	arr	Mertesdorf	Est	204	

First 4-Week Session (June 9 - July 3)

43:166g	Leisure and Aging						
80	2	9:50-12	MTWTh	Hanson	EdC	321	

Special Programs

43:184	Senior Project in Recreation (Corequisite: 43:187) (Registration requires written approval of Instructor) (May 14-August 25)						
1	1	arr	arr	Mertesdorf	Est	204	
43:187	Practicum in Recreation (Corequisite: 43:184) (Senior standing; registration requires written approval of Instructor) (Must be taken on credit/no credit basis) (May 14-August 25)						
1	14	arr	arr	Mertesdorf	Est	204	

SUMMER 1986

Dpt:Crs	Sec	Cr	Time	Days	Instr	Bldg	Rm
45 SOCIAL WORK							
<u>8-Week Session (June 9 - August 1)</u>							
45:184	Field Instruction (45:040; 45:042; 45:091 or equivalent; 45:192 and written approval of Instructor)	1 11	arr	arr			
45:189	Readings in Social Work (6 hours of Social Work and written approval of Department Head. May be repeated only with approval of Department Head.)	1 1-3	arr	arr	Faherty		
45:285	Readings in Social Work (Registration requires approval of Instructor)	1 1-3	arr	arr	Faherty		

First 4-Week Session (June 9 - July 3)

45:040	The American Social Welfare Institution	80 3	9:50-12	Daily	Faherty	Sab	323
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Second 4-Week Session (July 7 - August 1)

45:163g	Minority Group Relations (98:058)(Same as 98:130)	90 3	7:30-9:40	Daily	Claus	Sab	301
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50 COMMUNICATION AND THEATRE ARTS

8-Week Session (June 9 - August 1)

50:026	Fundamentals of Speech	1 3	8:40	Daily	Phillips	CAC	116
50:034	Human Communication	1 3	11:00	Daily	Hall	CAC	116
50:135g	Creative Drama Practicum (50:130)	1 2-3	arr	arr	Berghammer		
50:138g	Organizational Communication (Junior standing)	1 3	12:10	Daily	Conklin	CAC	116
50:161	Radio-Television Writing (Pass on Writing Competency Exam; for radio-television and public relations majors)	1 3	11:00	Daily		CAC	110
50:163g	Business and Professional Oral Communication (Junior standing)	1 3	9:50	Daily		CAC	110
50:164g	Dimensions of Interpersonal Communication (50:034 and Junior standing)	1 3	2:30	Daily		CAC	116
50:165g	Communication Research Methods (Junior standing; deals with Mass Communication Research)	1 3	8:40	Daily		CAC	109
50:169	Radio-Television Internship (Registration requires approval of Department Head)	1 1-6	arr	arr	Hall		
50:178	Publicity Methods (Junior standing)	1 3	1:20	Daily	Kruckeberg	CAC	116
50:197g	Internship in Speech and Theatre (Registration requires approval of Department Head)	1 1-6	arr	arr	Hall		
		2	arr	arr	Kruckeberg		
50:286	Studies in Mass Communication (Registration requires approval of Instructor and Department Head)	9 3	arr	arr	Kruckeberg		

50 COMMUNICATION AND THEATRE ARTS (CONTINUED)

First 4-Week Session (June 9 - July 3)

50:035	Problems in Interpersonal Communication	80 1	9:50	MTTh	Bozik	CAC	109
50:103g	Listening (Junior standing)	80 2	12:10-1:30	Daily	Bozik	CAC	110
50:194g	Methods of Directing Forensics (Junior standing)	80 2	1:20	Daily	Henderson	CAC	106
			+ 2 hours arr				

Second 4-Week Session (July 7 - August 1)

50:123g	Interpretation of Folk Literature (50:031 and Junior standing) (Class meets July 7-25)	90 2	9:50-12	Daily	Carlin	CAC	113
50:183g	Interviewing (Junior Standing)	90 2	11-12:30	Daily	Nelson	CAC	109
50:289	Seminar in Oral Interpretation (Registration requires approval of Instructor and Department Head)	90 2	arr	arr	Carlin		

WORKSHOPS ARE LISTED IN THE BACK OF THE BOOK

51 COMMUNICATIVE DISORDERS

8-Week Session (June 9 - August 1)

51:155	Clinical Practice (51:125 or approval of Instructor. Must be taken for a total of 4 hours credit.)	1 1-2	arr	arr	Craven/Schmitz	CAC	217
51:157g	Introduction to Evaluation and Diagnosis (51:155; 51:156; or approval of Instructor)	1 1	9:50	TTh	Craven	CAC	236
51:180g	Current Problems in Speech Pathology and Audiology (Registration requires approval of Instructor)	1 2	8:40	MWF	Hageman	CAC	236
51:249	Speech Science (51:105; 51:111; 88:008 and approval of Instructor)	1 3	7:30	Daily	Harrington	CAC	212
			+ 1-3:00	T lab	Plakke		
51:255	Advanced Clinical Practice (51:155; may be repeated for a total of 4 hours credit)	1 1-2	arr	arr	Schmitz	CAC	212
51:258	Audiology Practicum (Audiology major or approval of Instructor; may be repeated for a total of 6 hours credit)	1 1-2	arr	arr	Plakke	CAC	212
51:285	Individual Readings (Registration requires approval of Instructor)	1 1-2	arr	arr			
51:290	Advanced Diagnostics (Student must be in terminal semester of the graduate program)	1 2	2-4:00	TTh	Hageman	CAC	236
51:299	Research (Registration requires written approval of Department Head)	1 1-4	arr	arr	Smaldino	CAC	212

First 4-Week Session (June 9 - July 3)

51:170g	Manual Communication	80 3	12:10-2:20	Daily	Beykirch	CAC	212
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SUMMER 1986

Dpt:Crs	Sec	Cr	Time	Days	Instr	Bldg	Rm	Dpt:Crs	Sec	Cr	Time	Days	Instr	Bldg	Rm
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52 MUSIC

8-Week Session (June 9 - August 1)

52:221	Music Research and Bibliography	1	2	8:40	MMF	Buch	Rsl	124
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First 4-Week Session (June 9 - July 3)

52:020	Exploring Music	80	3	7:30-9:40	Daily	Brown	Rsl	118
		81		9:50-12	Daily	Shepherd	Rsl	118

52:102g	Music in Childhood Education	80	2	7:30	Daily	Merrion	Rsl	120
				+ 8:40	TTh			

Second 4-Week Session (July 7 - August 1)

52:020	Exploring Music	90	3	7:30-9:40	Daily	Hogancamp	Rsl	118
		91		9:50-12	Daily	Wendt	Rsl	118

54 MUSIC APPLIED

First 4-Week Session (June 9 - July 3)

STUDENTS TAKING APPLIED MUSIC FOR THE FIRST TIME MUST CHECK WITH THE MUSIC OFFICE FOR INSTRUCTOR ASSIGNMENT. ALL STUDENTS ALSO MUST SECURE APPLIED MUSIC APPROVAL CARDS FROM THE ASSIGNED INSTRUCTOR PRIOR TO REGISTERING IN THE SCHEDULING OFFICE.

APPLIED AREAS - Non-Music majors should register for 54:Nxx

54:031	Oboe	54:037	Trombone
54:032	Clarinet	54:046	Piano
54:033	Bassoon	54:048	Organ
54:034	Saxophone	54:049	Voice
54:035	French Horn	54:054	Composition (58:022 and written approval of Instructor)
54:036	Cornet-Trumpet		

Second 4-Week Session (July 7 - August 1)

STUDENTS TAKING APPLIED MUSIC FOR THE FIRST TIME MUST CHECK WITH THE MUSIC OFFICE FOR INSTRUCTOR ASSIGNMENT. ALL STUDENTS ALSO MUST SECURE APPLIED MUSIC APPROVAL CARDS FROM THE ASSIGNED INSTRUCTOR PRIOR TO REGISTERING IN THE SCHEDULING OFFICE.

APPLIED AREAS - Non-Music majors should register for 54:Nxx

54:030	Flute	54:039	Tuba
54:031	Oboe	54:040	Percussion
54:032	Clarinet	54:046	Piano
54:033	Bassoon	54:048	Organ
54:034	Saxophone	54:049	Voice
54:038	Euphonium	54:054	Composition (58:022 and written approval of Instructor)

56 MUSIC TECHNIQUES

First 4-Week Session (June 9 - July 3)

56:015	Basic Recording Techniques	80	2	9:50	Daily	Barry	Rsl	111
				+ 11:00	TTh			

56:110g	Guitar in the Classroom	80	2	1:20	Daily	Barry	Rsl	111
				+ 2:30	TTh			

56 MUSIC TECHNIQUES (CONTINUED)

Second 4-Week Session (July 7 - August 1)

56:130g	Music Theatre (Summer Repertory)	90	1-2	arr	arr		Rsl	48
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WORKSHOPS ARE LISTED IN THE BACK OF THE BOOK

57 MUSIC EDUCATION AND METHODS

First 4-Week Session (June 9 - July 3)

57:186g	Studies in Advanced Instrumental Methods/Materials (Weekly topics)	80	1-4	2:30-5:30	MTWTh	Dean	Rsl	122
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Second 4-Week Session (July 7 - August 1)

57:289	Seminar in Music Education	90	3	1:20-3:30	Daily	Merrion	Rsl	120
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58 MUSIC THEORY

8-Week Session (June 9 - August 1)

58:012	Theory II (Corequisite: 58:016)	1	3	9:50	Daily	Jernigan/Staff	Rsl	122
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58:016	Aural Training II (Corequisite: 58:012)	1	1	11:00	TTh	Jernigan/Staff	Rsl	122
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First 4-Week Session (June 9 - July 3)

58:180	Theory Survey for Graduates	80	2	9:50	Daily	Michaelides	Rsl	124
				+ 11:00	TTh			

Second 4-Week Session (July 7 - August 1)

58:110g	Analysis of Music Styles (58:013)	90	3	9:50-12	Daily	Jernigan	Rsl	120
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58:210	Advanced Form and Style Analysis I (58:180)	90	2	9:50	Daily	Ross	Rsl	124
				+ 11:00	TTh			

WORKSHOPS ARE LISTED IN THE BACK OF THE BOOK

59 MUSIC LITERATURE

First 4-Week Session (June 9 - July 3)

59:050	Introduction to Jazz History and Styles	80	2	7:30	Daily	Washut	Rsl	122
				+ 8:40	TTh			

59:120g	Performance Literature for Brass	80	2	7:30	Daily	K. Johnson	Rsl	111
				+ 8:40	TTh			

59:150g	American Music	80	3	1:20-3:30	Daily	Buch	Rsl	118
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Second 4-Week Session (July 7 - August 1)

59:011	History of Music II (52:020)	90	3	1:20-3:30	Daily	Kratzenstein	Rsl	118
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59:180	Music Literature Survey for Graduates	90	2	1:20	Daily	Michaelides	Rsl	122
				+ 2:30	TTh			

SUMMER 1986

Dpt:Crs	Sec	Cr	Time	Days	Instr	Bldg	Rm	Dpt:Crs	Sec	Cr	Time	Days	Instr	Bldg	Rm
60 ART								62 ENGLISH LANGUAGE AND LITERATURE (CONTINUED)							
<u>8-Week Session (June 9 - August 1)</u>								<u>8-Week Session (June 9 - August 1) (Continued)</u>							
LAB FEES ARE NOT REFUNDED AFTER LAST OFFICIAL DAY TO ADD A CLASS															
60:001	The Visual World (Lab fee \$10.00)	1	3	7:30-9:40	Daily	Gogel	Art 209	62:190g	The Teaching of English (20:018; 20:040; 25:050)	1	3	7:30	Daily	LaRocque	Sab 27
60:175	Undergraduate Studio (Registration requires approval of Department Head)							62:193g	The Teaching of Writing	1	3	9:50-12:25	TTh	Hudson	Aud 128
	Ceramics (Lab fee \$17.00 per credit hour)	1	1-6	arr	arr		Art 126	<u>First 4-Week Session (June 9 - July 3)</u>							
	Drawing (Lab fee \$5.00 per credit hour)	2	1-6	arr	arr		Art 229	62:116g	English Renaissance (62:034 or junior standing or approval of Instructor)	80	3	1:20-3:30	Daily	T. Remington	Sab 27
	Graphic Design (Lab fee \$5.00 per credit hour)	3	1-6	arr	arr		Art 248	62:260	Contemporary Literature	80	3	9:50-12	Daily	Klinkowitz	Sab 129
	Painting (Lab fee \$5.00 per credit hour)	5	1-6	arr	arr		Art 235	<u>Second 4-Week Session (July 7 - August 1)</u>							
	Printmaking (Lab fee \$10.00 per credit hour)	7	1-6	arr	arr		Art 249	62:031	Introduction to Literature (May not be taken for English major or minor credit)	90	3	9:50-12	Daily	Hubly	Sab 107
	Sculpture (Lab fee \$12.00 per credit hour)	8	1-6	arr	arr		Art 134	62:103	The Personal Essay (Pass on Writing Competency Examination; junior standing or approval of Instructor)	90	3	9:50-12	Daily	Cahill	Sab 103
60:275	Graduate Studio (Registration requires approval of Department Head)							62:124g	Twentieth Century American Novel (62:034 or junior standing or approval of Instructor)	90	3	9:50-12	Daily	T. Hovet	Sab 217
	Ceramics (Lab fee \$20.00 per credit hour)	1	2-8	arr	arr		Art 126	62:226	Modern English Literature	90	3	1:20-3:30	Daily	Gish	Sab 13
	Drawing (Lab fee \$5.00 per credit hour)	2	2-8	arr	arr		Art 229	63 LINGUISTICS							
	Painting (Lab fee \$5.00 per credit hour)	4	2-8	arr	arr		Art 235	<u>8-Week Session (June 9 - August 1)</u>							
	Printmaking (Lab fee \$10.00 per credit hour)	6	2-8	arr	arr		Art 249	63:130g	The Structure of English	1	3	1:20	Daily	van Lier	Sab 217
	Sculpture (Lab fee \$10.00 per credit hour)	7	2-8	arr	arr		Art 134	63:280	Topics in Linguistics (Meets once a week)	1	1	9:50-12	W	van Lier	Aud 127
60:289	Seminar: Intra-Media (Registration requires approval of Department Head)	2	2	arr	arr		Art 104	63:285	Seminar in Language: English for Special Purposes	3	3	9:50-12	TTh	Shields	Sab 223
60:293	Research in Art History (Registration requires approval of Department Head)	1	1-3	arr	arr	Lew	Art 104	+ hour arr							
60:299	Research (Registration requires written approval of Department Head)	1	1-6	arr	arr	Lew	Art 104	WORKSHOPS ARE LISTED IN THE BACK OF THE BOOK							
<u>First 4-Week Session (June 9 - July 3)</u>								64 RELIGION							
60:025	Graphic Design I (Lab fee \$10.00)	80	3	1:20-4:40	Daily	Stahlecker	Art 253	<u>8-Week Session (June 9 - August 1)</u>							
<u>Second 4-Week Session (July 7 - August 1)</u>								64:124	Religions of the World	1	3	8:40	Daily	Reineke	EdC 252
60:147g	Oriental Art	90	3	9:50-12	Daily	Lew	Art 104			2		9:50	Daily	Robinson	CAC 108
WORKSHOPS ARE LISTED IN THE BACK OF THE BOOK								65 PHILOSOPHY							
<u>8-Week Session (June 9 - August 1)</u>								<u>8-Week Session (June 9 - August 1)</u>							
62:001	Writing: Fundamentals (May be taken ONLY by baccalaureate degree students who have not passed the Writing Competency Examination. May not be taken by students who have passed any of the following: 62:003, 62:034, 62:103, 62:104, 62:105, 66:040, 66:140. May not be taken for General Education, major, or minor credit.)	1	3	8:40	Daily	Copeland	Sab 207	65:021	Introduction to Philosophy	1	3	11:00	Daily	Hallberg	Sab 213
62:002	College Preparatory Composition (For students who have not satisfied the University requirement in English)(Course will be billed \$168.00. This fee is separate from regular tuition)	1	0	8:40	Daily	Hiduke	Sab 217	<u>First 4-Week Session (June 9 - July 3)</u>							
								65:145	Logic	80	3	9:50	Daily	Morgan	Sab 27

SUMMER 1986

Dpt:Crs	Sec	Cr	Time	Days	Instr	Bldg	Rm	Dpt:Crs	Sec	Cr	Time	Days	Instr	Bldg	Rm
66 JOURNALISM								72 FRENCH (CONTINUED)							
<u>First 4-Week Session (June 9 - July 3)</u>								<u>Special Programs</u>							
66:032	Introduction to Mass Media	80	3	7:30-9:40	Daily	DeHoff	Sab 223	ON-CAMPUS FRENCH SUMMER INSTITUTE (July 7 - August 1)							
68 HUMANITIES								For details, contact Michael D. Oates, Department of Modern Languages, University of Northern Iowa, Cedar Falls, Iowa 50614.							
<u>8-Week Session (June 9 - August 1)</u>															
68:021	Humanities I	80	1	8:40	Daily	Amend	Sab 121	72:286	Studies in Current Topics in French Civilization	92	2	8:30-3:00	Daily	Oates/Staff	EdC 321
<u>First 4-Week Session (June 9 - July 3)</u>								72:286	Studies in Teaching French	93	2	8:30-1:00 + 1:10-3:00	Daily Daily	Oates/Staff	EdC 320 EdC 325
68:021	Humanities I	80	3	9:50-12	Daily	Kamerick	Sab 327	78 SPANISH							
68:124	Foreign Area Studies: China	80	3	7:30-9:40	Daily	Cheng	Sab 107	<u>First 4-Week Session (June 9 - July 3)</u>							
68:125	Foreign Area Studies: India	80	3	7:30-9:40	Daily	Vajpeyi	Sab 213	78:001	Elementary Spanish I (Coordinated through the Psycho-generative Instructional Program) DRILL GROUP PARTICIPATION IS REQUIRED. HOURS WILL BE ARRANGED AT THE BEGINNING OF THE SUMMER. All students enrolling for Elementary Spanish I must attend the first two days of class or they may be dropped from the course.	80	4	7:30-9:40 + 3 hours arr	Daily	Nodarse	Aud 232
68:130	Culture of the Ghetto (May be repeated for an additional 3 hours of credit)(Contact Instructor first week of classes)	80	3	7:30-9:40	MTWTh	Parker	EdC 322	78:086	Studies in Spanish: Intermediate Spanish (Instructor approval required for course to be counted towards requirements in 78:051; 78:052; 78:061; 78:062)	80	3	8:40 + 9:50-10:50 + 12:10	Daily Daily T	Vernon/Zucker	Sab 323 Sab 227
68:131	Practical Experience in Ghetto Living (Pre- or corequisite: 68:130) (May be repeated for an additional 2 hours of credit) (Registration requires written approval of Instructor)	80	2	arr	arr	Parker		78:091	Bilingual Pre-Practicum (May be repeated, but not to exceed 6 hours) (Registration requires written approval of Instructor)	80	1-3	arr	arr	Nodarse	Aud 232
<u>Second 4-Week Session (July 7 - August 1)</u>								78:105g	Stylistics (78:071 or 78:072; 78:101; or equivalents)	80	2	11:00 + 2 hours arr	Daily	Zucker	Sab 107
68:021	Humanities I	90	3	1:20-3:30	Daily	Sandstrom	Sab 311	78:134g	Nineteenth Century Spanish Literature (78:071 or 78:072; 78:101; or equivalents)	80	2	9:50 + 2 hours arr	Daily	Vernon	Sab 217
68:022	Humanities II	90	3	9:50-12	Daily	Kamerick	Sab 327	78:191g	Bilingual Practicum (May be repeated but not to exceed 3 hours) (Registration requires written approval of Instructor)	80	1-3	arr	arr	Zucker	Bak 256
68:127	Foreign Area Studies: Middle East	90	3	7:30-9:40	Daily	Nijim	Sab 7	78:282	Seminar: Romanticism	82	2	9:50 + 2 hours arr	Daily	Vernon	Sab 217
68:128	Foreign Area Studies: Africa	90	3	7:30-9:40	Daily	Maier	Sab 317	<u>Second 4-Week Session (July 7 - August 1)</u>							
72 FRENCH								78:086	Studies in Spanish: Intermediate Spanish (Instructor approval required for course to count towards requirements in 78:051; 78:052; 78:061; 78:062)	90	3	8:40-12:10 + 12:10	Daily	Zucker/Vernon	Sab 311
<u>Second 4-Week Session (July 7 - August 1)</u>								78:186	Studies in The Development of the Don Juan Character in Spanish Literature	98	2	11:00 + 2 hours arr	Daily	Zucker	Sab 317
72:001	Elementary French I - All students enrolling for Elementary French I must attend the first two days of class or they may be dropped from the course.	90	4	8:40-12	Daily	Oates/Staff	EdC 322	78:180g	Applied Linguistics: Spanish Oral Proficiency (78:071 or 78:072; 78:101 or equivalents) (Lab fee \$7.50) LAB FEES ARE NOT REFUNDED AFTER THE LAST OFFICIAL DAY TO ADD A CLASS	90	2	9:50 + 2 hours arr	Daily	Vernon	Sab 317
72:091	Bilingual Pre-practicum (Registration requires written approval of Instructor) (May be repeated, but not to exceed 6 hours)	90	1-3	arr	arr	Oates									
72:191	Bilingual Practicum (May be repeated, but not to exceed 3 hours) (Registration requires written approval of Instructor)	90	1-3	arr	arr	Oates									

SUMMER 1986

Dpt:CrS Sec Cr Time Days Instr Bldg Rm

78 SPANISH (CONTINUED)

Second 4-Week Session (July 7 - August 1) (Continued)

78:191g	Bilingual Practicum (May be repeated, but not to exceed 3 hours) (Registration requires written approval of Instructor)	90	1-3	arr	arr	Vernon	Bak	256
78:282	Seminar: Don Juan	92	2	11:00	Daily	Zucker	Sab	317
	+ 2 hours arr							

80 MATHEMATICS

Undergraduate students who have been admitted to the University provisionally because of non-satisfaction of the high school mathematics requirement may not enroll in any mathematics course (except 80:002) before this requirement has been met.

8-Week Session (June 9 - August 1)

80:002	Elementary Algebra (For students who have not met the high school mathematics admission requirement. Students will be billed \$168.00 in addition to regular tuition.)	1	0	9:50	Daily	Rule	Sab	213
80:030	Mathematics for Elementary Teachers I	1	3	12:10	Daily	Baum	Wrt	109
80:040	Basic Collegiate Mathematics (No credit toward graduation for students with credit in 80:046 or 80:060)	1	4	7:30	Daily	Rule	Wrt	17
	+ 8:40 TTh							
80:046	Elementary Analysis (No credit toward graduation for students with credit in 80:060)	1	4	9:50	Daily	Dotseth	Wrt	315
	+ 11:00 TTh							
80:048	Condensed Calculus (80:040 or equivalent) (No credit toward graduation for students with credit in 80:060)	1	4	1:20	Daily	Duncan	Sab	213
	+ 2:30 TTh							
80:060	Calculus I (80:046)	1	4	1:20	Daily	Bruha	Wrt	315
	+ 2:30 TTh							
80:074	Discrete Mathematics (80:050 or 80:060; 81:070)	1	3	11:00	Daily	Longnecker	Wrt	318
80:131	Mathematics for Elementary Teachers II (80:030)	1	3	7:30	Daily	Nelson	Wrt	109
	(June 9-July 18)							
	+ 8:40							
	(June 30-July 3 and July 14-18)							
80:152g	Introduction to Probability (80:061)	1	3	7:30-9:40	MTW	Kirmani	Wrt	315
80:201	Mathematical Analysis I (80:140 or approval of Instructor)	1	3	11:00	Daily	Schurrer	Wrt	108
80:245	Topics in Abstract Algebra (80:160)	1	3	9:50	Daily	Myung	Wrt	108

First 4-Week Session (June 9 - July 3)

80:134	Teaching of Mathematics in the Elementary School (80:030; 81:112 or 80:131)	80	2	9:50-12	Daily	Litwiller	Wrt	109
80:166g	Introduction to Linear Geometry (80:165 or approval of Instructor)	80	3	1:20-3:30	Daily	Millar	Wrt	113

80 MATHEMATICS (CONTINUED)

First 4-Week Session (June 9 - July 3) (Continued)

80:235	Problems in Teaching Elementary School Mathematics (Registration requires written approval of Department Head)	80	2	9:50	Daily	Wilkinson	Wrt	17
	+ 11:00 TTh							
80:290	Problems in Teaching Junior High School Mathematics (Registration requires written approval of Department Head)	80	2	1:20-3:30	Daily	Litwiller	Wrt	109
80:291	Problems in Teaching High School Mathematics (Registration requires written approval of Department Head)	80	2	1:20-3:30	Daily	Litwiller	Wrt	109
80:292	Teaching Students with Learning Problems in Mathematics (80:134 or 80:190)	80	2	7:30	Daily	Wilkinson	Wrt	108
	+ 8:40 TTh							

81 COMPUTER SCIENCE

Undergraduate students who have been admitted to the University provisionally because of non-satisfaction of the high school Mathematics requirement may not enroll in any computer science course before this requirement has been met.

8-Week Session (June 9 - August 1)

81:070	Introduction to Programming (This section uses FORTRAN)	1	3	9:50	Daily	Walljasper	Wrt	113
81:081	Computer Programming I (81:070 or one year high school programming or equivalent) (This course uses Pascal)	1	3	8:40	Daily	Fienup	Wrt	113
81:082	Computer Programming II (81:081) (This course uses Pascal)	1	3	9:50	Daily	Pegah	Wrt	318
81:102g	Introduction to Computer Science (81:070; This course uses Pascal. Open only to graduate students who have not completed 81:071 or 81:081)	1	3	8:40	Daily	Fienup	Wrt	113
81:110g	COBOL (81:081)	1	3	8:40	Daily	Liew	Sab	227
81:111g	File Processing (81:110)	1	3	8:40	Daily	Beck	Wrt	318
81:130g	Data and File Structures (80:074; 81:082)	1	3	11:00	Daily	Walljasper	Wrt	113
81:140g	Computer System Structures (81:120; 81:130)	1	3	7:30	Daily	Fienup	Wrt	113
81:251	Seminar in History and Applications of Computers (Registration requires written approval of Department Head)	1	3	11:00	Daily	East	Sab	227

82 SCIENCE

8-Week Session (June 9 - August 1)

82:200	History and Philosophy of Science	1	2	9:50	MWF	Rider	MSH	3755
82:290	Trends in Science Education (Registration requires approval of Instructor)	1	2	3:40	MWF	Ward	MSH	1753

SUMMER 1986

Dpt:Crs	Sec	Cr	Time	Days	Instr	Bldg	Rm
84 BIOLOGY							
<u>8-Week Session (June 9 - August 1)</u>							
84:033	Principles of Microbiology	1 3	7:30-9:40 + 7:30-9:40	MW TTh	Goss Goss	MSH	1536 1263
84:051	General Biology I	1 4	8:40-10:50 + 8:40-10:50	MMF TTh	TePaske TePaske	MSH	2229 1450
84:103g	Conservation of Iowa Resources (84:052, junior standing)	1 3	7:30-9:40 + 7:30-9:40	MW TTh	Clausen Clausen	MSH	1532 2238
84:128g	Cell Biology (84:052, either 86:050, or 86:120 and 86:121)	1 3	12:10-2:20 + 12:10-3:10	MW TTh	Orr Orr	MSH	1536 1745
84:138	Human Physiology (84:052)	1 3	12:10-2:20 + 12:10-2:20	MW TTh	Simpson Simpson	MSH	1532 2437
84:168	Ecology (84:052)	1 3	9:50-12 + 9:50-12:50	MW TTh	Whitson Whitson	BRC	3 3
84:185	Readings in Biology (Registration requires written approval of Instructor and Department Head)	1 1-3	arr	arr		MSH	2438
84:195	Internship/Field Experience (Offered on credit/no credit basis only; no credit on major) (Registration requires written approval of Instructor)	1 1-8	arr	arr		MSH	2438
84:230	Special Problems in Biology (Registration requires approval of Department Head)	1 1-6	arr	arr		MSH	2438
84:299	Research (Registration requires approval of Department Head)	1 1-3	arr	arr		MSH	2438

First 4-Week Session (June 9 - July 3)

84:031	Anatomy and Physiology I (For nurses, physical therapists, dental hygienists)	80 4	8-9:40 + 9:50-12	Daily Daily	Bergquist Bergquist	MSH	2532 2532
84:159g	Human Genetics and Human Evolution (84:052)	80 3	9:50-12	Daily	Seager	MSH	1532

Second 4-Week Session (July 7 - August 1)

84:028	Biosphere: Life and Its Interrelationships (No credit on Biology major; no credit if student has taken previous college level Biology)	90 3	12:10-2:20	Daily	Schwartz	MSH	2532
84:032	Anatomy and Physiology II (For nurses, physical therapists, dental hygienists) (84:031)	90 4	8-9:40 + 9:50-12	Daily Daily	Bergquist Bergquist	MSH	2532 2532

Special Programs

84:186g	Studies in Iowa Forests (84:051; 84:052 or equivalent) (June 9-20)	7 2	12:10-3:30 + hours arr	Daily	Smith	MSH	1440
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WORKSHOPS ARE LISTED IN THE BACK OF THE BOOK

86 CHEMISTRY

8-Week Session (June 9 - August 1)

86:020	Chemical Technology (No credit for students with credit in any college chemistry course)	1 4	1:20-3:30 + 1:20-3:30	MW TThF	Wiley	MSH	3245 3755
86:044	General Chemistry I (86:040 or equivalent)	1 4	1:20-3:30 + 1:20-4:40	MMF TTh	Rider	MSH	3252 3245
86:048	General Chemistry II (86:044)	1 4	7:30-9:40 + 7:30-9:40 + 4 hours arr	MW TThF	Chang	MSH	3252 3245
86:050	Bio-Organic Chemistry (86:048 or 86:070) (No credit for students with credit in 86:123)	1 4	1:20-3:30 + 1:20-4:40	MMF TTh	Lyon	MSH	3436 3445
86:120	Organic Chemistry I (86:048 or 86:070)	1 3	7:30-9:40	MMF	McGrew	MSH	3755
86:121	Organic Chemistry Laboratory I (Pre- or corequisite: 86:120)	1 2	7:30-10:50 + 4 hours arr	TTh	Wiley	MSH	3445
86:132	Quantitative Analysis (86:048 or 86:070)	1 4	9:50-12 + 9:50-12 + 4 hours arr	MW TThF	Woo	MSH	3436 3435
86:180	Undergraduate Research in Chemistry (86:141 and written approval of Department Head)	1 1-3	arr	arr			
86:299	Research (Registration requires written approval of Department Head)	1 1-6	arr	arr			

87 EARTH SCIENCE

LAB FEES WILL NOT BE REFUNDED AFTER THE LAST OFFICIAL DAY TO ADD A CLASS

8-Week Session (June 9 - August 1)

87:010	Astronomy	1 3	9:50	Daily	Kelsey/Hoff	MSH	2430
87:011	Astronomy Laboratory (Concurrent or previous enrollment in 87:010) (Lab fee \$5.00)	Eve 1 1	9-10:40	TTh eve	Kelsey/Hoff	GNA	
87:021	Elements of Weather	1 3 2	8:40 9:50	Daily Daily	Cropper Cropper	PHY	309 309
87:109g	Fundamentals of Astronomy (Registration requires written approval of Department Head) (Lab fee \$5.00)	1 3	9:50 + arr TTh eve	Daily	Kelsey/Hoff	MSH	2430
87:160g	Geology of Iowa (87:035 or approval of Instructor)	1 2	9:50-12 + 1 weekend field trip	TTh	Anderson	PHY	301

SUMMER 1986

Dpt:Crs	Sec	Cr	Time	Days	Instr	Bldg	Rm
87 EARTH SCIENCE (CONTINUED)							
<u>First 4-Week Session (June 9 - July 3)</u>							
87:036	Spaceship Earth	80 3	9:50-12	Daily	Brant	MSH	1536

Special Programs

87:186g	Studies in Natural Environments of Alaska and Western Canada (Registration requires approval of Instructor) (June 9-July 25)	13 6	arr	arr	Walters		
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WORKSHOPS ARE LISTED IN THE BACK OF THE BOOK

88 PHYSICS

8-Week Session (June 9 - August 1)

88:052	Principles of Physics (Working knowledge of algebra and elementary trigonometry) (No credit for students with credit in 88:054 or 88:056)	1 4	7:30-9:40 + 7:30-9:40	TThF MW	Engardt Engardt	Phy	212 101
88:054	General Physics I (Working knowledge of algebra and trigonometry)	1 4	7:30-9:40 + 7:30-9:40	MMF TTh	Intemann/ Macomber Olson	Phy	201 101
88:056	General Physics II (88:054)	1 4	9:50-12 + 9:50-12	TThF MM	Intemann/ Macomber Ward	Phy	201 108
88:152g	Electronics I (88:052 or 88:056 and approval of Instructor)	1 4	7:30-9:40	Daily	Vilmain	Phy	109
88:157g	Fundamentals of Physics I (Working knowledge of algebra and trigonometry and approval of Department Head)	1 4	7:30-9:40 + 7:30-9:40	MMF TTh	Intemann/ Macomber Olson	Phy	201 101
88:158g	Fundamentals of Physics II (88:157 or equivalent and approval of Department Head)	1 4	9:50-12 + 9:50-12	TThF MM	Intemann/ Macomber Ward	Phy	201 108

WORKSHOPS ARE LISTED IN THE BACK OF THE BOOK

90 SOCIAL SCIENCE

8-Week Session (June 9 - August 1)

90:070	Computers in the Social and Behavioral Sciences	1 3	8:40	Daily	Lutz/Crew	Sab	27
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First 4-Week Session (June 9 - July 3)

90:030	Introduction to Urban Life	80 3	1:20-3:30	Daily	Austin	Sab	7
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92 ECONOMICS

First 4-Week Session (June 9 - July 3)

92:024	Economics for General Education (No credit for students with credit in 92:053 or 92:054 or concurrently enrolled in 92:053 or 92:054)	80 3	9:50-12	Daily	Abraham	Sab	103
92:053	Principles of Macro-Economics	80 3	9:50-12	Daily	Cummings	Sab	121

92 ECONOMICS (CONTINUED)

First 4-Week Session (June 9 - July 3) (Continued)

92:054	Principles of Micro-Economics (92:053)	80 3	1:20-3:30	Daily	McCormick	Sab	121
92:104g	Intermediate Micro-Economic Theory (92:053, 92:054)	80 3	1:20-3:30	Daily	Yousefi	Sab	129

Second 4-Week Session (July 7 - August 1)

92:053	Principles of Macro-Economics	90 3	1:20-3:30	Daily	McCormick	Sab	121
92:054	Principles of Micro-Economics	90 3	9:50-12	Daily	Yousefi	Sab	121
92:103g	Intermediate Macro-Economic Theory (92:053, 92:054)	90 3	1:20-3:30	Daily	Strein	Sab	129
92:113g	Money and Banking (92:053, 92:054)	90 3	9:50-12	Daily	Gillette	Sab	129

94 POLITICAL SCIENCE

8-Week Session (June 9 - August 1)

94:010	Survey of American Politics	1 2	12:10	MTTh	Ross	Sab	207
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First 4-Week Session (June 9 - July 3)

94:154g	Legislative Process	80 3	9:50-12	Daily	Alberts	Sab	207
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Second 4-Week Session (July 7 - August 1)

94:011	Introduction to Political Science	90 3	7:30-9:40	Daily	Grady	Sab	213
94:020	Contemporary Political Problems	90 3	9:50-12	Daily	Richmond/ Sonnleitner	Sab	207

WORKSHOPS ARE LISTED IN THE BACK OF THE BOOK

96 HISTORY

8-Week Session (June 9 - August 1)

96:142g	United States Constitutional History	1 3	12:10	Daily	Whitnah	Sab	317
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First 4-Week Session (June 9 - July 3)

96:014	United States History to 1877	80 3	1:20-3:30	Daily	Wohl	Sab	327
96:015	United States History Since 1877	80 3	9:50-12	Daily	Sunseri	Sab	311
96:054	Modern Europe to 1815	80 3	7:30-9:40	Daily	Eiklor	Sab	311
96:101g	History of Ancient Greece	80 3	9:50-12	Daily	Jones	Sab	317
96:290	Historical Methods	80 3	arr	arr	Quirk		

Second 4-Week Session (July 7 - August 1)

96:015	United States History Since 1877	90 3	9:50-12	Daily	Talbott	Sab	323
96:134g	United States Economic History	90 3	1:20-3:30	Daily	Walker	Sab	323

SUMMER 1986

Dpt:Crs	Sec	Cr	Time	Days	Instr	Bldg	Rm
97 GEOGRAPHY							
<u>First 4-Week Session (June 9 - July 3)</u>							
97:010	Human Geography	80 3	7:30-9:40	Daily	Chung	Sab	7
97:025	World Geography	80 3	9:50-12	Daily	Fryman	Sab	7

98 SOCIOLOGY

<u>8-Week Session (June 9 - August 1)</u>							
98:145g	Research Experience in Sociology (15 semester hours in sociology including 98:080 or 98:085, and approval of Instructor. May be repeated up to 6 hours of credit.)	1 1-3	arr	arr			
98:184	Experience in Applied Sociology (12 semester hours in sociology and approval of Instructor. Must be taken on credit/no credit basis.)	1 3-6	arr	arr			
98:189g	Readings in Sociology (9 hours in sociology and approval of Department Head. May be repeated only with approval of Department Head.)	1 1-3	arr	arr			
98:285	Individual Readings (Registration requires approval of Department Head)	1 1-3	arr	arr			
98:297	Practicum (Registration requires approval of Department Head)	1 2	arr	arr			
98:299	Research (Registration requires approval of Department Head)	1 1-6	arr	arr			

First 4-Week Session (June 9 - July 3)

98:058	Principles of Sociology	80 3	9:50-12	Daily	Roberts	Sab	301
98:060	Social Problems	80 3	1:20-3:30	Daily	Crew	Sab	307
98:105	The Family (98:058)	80 2	7:30 + 8:40	Daily TTh	Noack	Sab	301
98:127	Juvenile Delinquency (98:058 or 98:060)	80 3	9:50-12	Daily	Bartollas	Sab	307
98:145g	Research Experience in Sociology (15 semester hours in sociology including 98:080 or 98:085, and approval of Instructor. May be repeated up to 6 hours of credit.)	80 1-3	arr	arr			
98:184	Experience in Applied Sociology (12 semester hours in sociology and approval of Instructor. Must be taken on credit/no credit basis.)	80 3-6	arr	arr			
98:189g	Readings in Sociology (9 hours in sociology and approval of Department Head. May be repeated only with approval of Department Head.)	80 1-3	arr	arr			
98:201	Advanced Research Methodology (98:085 open to senior students with approval of Department Head)	80 3	1:20-3:20	Daily	Lutz	ANL	
98:285	Individual Readings (Registration requires approval of Department Head)	80 2	arr	arr			

98 SOCIOLOGY (CONTINUED)

<u>First 4-Week Session (June 9 - July 3) (Continued)</u>							
98:297	Practicum (Registration requires approval of Department Head)	80 2	arr	arr			
98:299	Research (Registration requires approval of Department Head)	80 2	arr	arr			
<u>Second 4-Week Session (July 7 - August 1)</u>							
98:060	Social Problems	90 3	9:50-12	Daily	Kramer	Sab	301
98:130g	Minority Group Relations (98:058) (Same as 45:163)	90 3	7:30-9:40	Daily	Claus	Sab	301
98:145g	Research Experience in Sociology (15 semester hours in sociology including 98:080 or 98:085, and approval of Instructor. May be repeated up to 6 hours of credit.)	90 1-3	arr	arr			
98:184	Experience in Applied Sociology (12 semester hours in sociology and approval of Instructor. Must be taken on credit/no credit basis.)	90 3-6	arr	arr			
98:189g	Readings in Sociology (9 hours in sociology and written approval of Department Head. May be repeated with approval of Department Head.)	90 1-3	arr	arr			
98:285	Individual Readings (Registration requires written approval of Department Head)	90 1-3	arr	arr			
98:297	Practicum (Registration requires written approval of Department Head)	90 2	arr	arr			
98:299	Research (Registration requires written approval of Department Head)	90 2	arr	arr			

99 ANTHROPOLOGY

<u>8-Week Session (June 9 - August 1)</u>							
99:189g	Readings in Anthropology (Registration requires written approval of Department Head)	1 1-3	arr	arr			
<u>First 4-Week Session (June 9 - July 3)</u>							
99:010	Human Origins	80 3	9:50-12	Daily	Durham	ANL	
99:189g	Readings in Anthropology (Registration requires written approval of Department Head)	80 1-3	arr	arr			
<u>Second 4-Week Session (July 7 - August 1)</u>							
99:189g	Readings in Anthropology (Registration requires written approval of Department Head)	90 1-3	arr	arr			
<u>Special Programs</u>							
99:172g	Archaeological Fieldwork (99:010; junior standing, and approval of Instructor) (May 27-July 5)	1 5	arr	arr	Arnold		

SUMMER 1986

Dpt:Crs	Sec	Cr	Time	Days	Instr	Bldg	Rm	Dpt:Crs	Sec	Cr	Time	Days	Instr	Bldg	Rm
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SPECIAL PROGRAMS

Iowa Lakeside Laboratory
Milford, Iowa

First Session -- June 9-July 11

Second Session -- July 14-August 15

(Courses are listed in a separate schedule available in the Biology Office)

TOURS

Summer Institute In France for Teachers of French
(June 21 - August 9, 1986)

For details, contact Andre Walther, Department of Modern Languages,
University of Northern Iowa, Cedar Falls, Iowa 50614.

72:107g	Listening and Comprehension	50	2	arr	arr	Walther/Staff
72:125g	French Culture and Civilization	50	2-3	arr	arr	
72:160g	Advanced Oral Practice	50	2-3	arr	arr	

Regents' Program in France
(May 31 - July 19, 1986)

For details, contact Maryline Lukacher, Department of Modern Languages,
University of Northern Iowa, Cedar Falls, Iowa 50614.

72:198	Independent Study	40	1	arr	arr	Lukacher/Staff
72:199	Study Tour	40	8	arr	arr	

Regents' Program in Austria/Germany
(June 7 - August 4, 1986)

For details, contact Jurgen Koppensteiner, Department of Modern Languages,
University of Northern Iowa, Cedar Falls, Iowa 50614.

74:011	Intermediate German	40	4	arr	arr	Koppensteiner/Staff
74:052	Composition	40	2	arr	arr	
74:062	Coversation	40	2	arr	arr	
74:102g	Advanced Composition and Grammar Review	40	2	arr	arr	
74:103g	Advanced Conversation	40	2	arr	arr	
74:105g	Stylistics	40	2	arr	arr	
74:117g	German Media	40	2	arr	arr	
74:150g	Contemporary Germany and Austria	40	2	arr	arr	
74:199	Study Tour	40	4	arr	arr	

SUMMER 1986

Dpt:	Crs	Sec	Cr	Time	Days	Instr	Bldg	Rm	Dpt:	Crs	Sec	Cr	Time	Days	Instr	Bldg	Rm
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TOURS (Continued)

Summer Institute in Austria for Teachers of German
(June 27 - August 14, 1986)

For details, contact Fritz H. Konig, Department of Modern Languages,
University of Northern Iowa, Cedar Falls, Iowa 50614.

74:101g	Advanced Composition	50	2	arr	arr	Odwarka/Staff											
74:102g	Advanced Composition and Grammar Review	50	2-3	arr	arr												
74:103g	Advanced Conversation	50	2-4	arr	arr												
74:105g	Stylistics	50	2-3	arr	arr												
74:128g	Literature to Enlightenment	50	2	arr	arr												
74:143g	Nineteenth Century Literature	50	2	arr	arr												
74:150g	Contemporary Germany and Austria	50	2	arr	arr												
74:186g	Studies in German: Writing Improvement	57	2-3	arr	arr												
74:201	Composition and Stylistics	50	2-3	arr	arr												
74:250	German Literature in Review	50	2	arr	arr												
74:280	Seminar: The German Dialects	52	2	arr	arr												
74:285	Readings in German	50	2-3	arr	arr												
74:286	Studies in German: Comparative Linguistics	51	2-3	arr	arr												
74:299	Research	50	2	arr	arr												

Regents' Hispanic Institute Abroad
(June 1 - July 27, 1986)

For details, contact D. C. Hawley, Department of Modern Languages,
University of Northern Iowa, Cedar Falls, Iowa 50614.

78:150g	Written Communication	40	3	arr	arr	Hawley/Staff											
78:151g	Advanced Oral Communication	40	2-3	arr	arr												
78:152g	Contemporary Spanish Culture	40	3	arr	arr												

Summer Institute in Spain for Teachers of Spanish
(June 19 - August 14, 1986)

For details, contact Adolfo Franco, Department of Modern Languages,
University of Northern Iowa, Cedar Falls, Iowa 50614.

78:150g	Written Communication	50	3	arr	arr	Franco/Staff											
78:151g	Advanced Oral Communication	50	3	arr	arr												
78:152g	Contemporary Spanish Culture	50	3	arr	arr												
78:286	Studies in Spanish: Pre-Renaissance Spanish Literature	51	3	arr	arr												
78:286	Studies in Spanish: Golden Age Drama	54	3	arr	arr												
78:286	Studies in Spanish: Generation of '98	52	3	arr	arr												
78:299	Research	50	1-3	arr	arr												

Portuguese Summer Institute in Coimbra, Portugal
(June 13 - August 14, 1986)

For details, contact Robert Krueger, Department of Modern Languages,
University of Northern Iowa, Cedar Falls, Iowa 50614.

79:051	Composition I	50	2	arr	arr	Krueger/Staff											
79:052	Composition II	50	2	arr	arr												
79:061	Conversation I	50	3	arr	arr												
79:062	Conversation II	50	3	arr	arr												
79:159g	Accelerated Portuguese, for Advanced and Native Spanish Speakers	50	5	arr	arr												
79:159g	Portuguese Literature	51	3	arr	arr												
79:186g	Studies in Portuguese Civilization	50	3	arr	arr												
79:198	Independent Study	50	1-3	arr	arr												
79:199	Study Tour	50	2	arr	arr												

SUMMER 1986

Dpt:Crs	Sec	Cr	Time	Days	Instr	Bldg	Rm	Dpt:Crs	Sec	Cr	Time	Days	Instr	Bldg	Rm
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WORKSHOPS

Student enrollment in short courses or workshops is normally considered to be a full-time endeavor. The entire day should be available for workshop involvement, project work, etc. Students may enroll concurrently for additional courses in the regular four-week or eight-week session only if: 1) there is no conflict in meeting times, and 2) the total credit hours does not exceed one hour per week for the four- or eight-week session.

(Workshops are billed \$72.00 per credit hour for graduates or undergraduates. This fee is separate from regular tuition and not refundable.)

01:133g	Workshop: Human Relations (July 7-25) (Reserved for graduate students and/or practicing teachers) (Materials fee \$5.00)							35:133g	Workshop: Updating Young Adult Adolescent Literature (June 9-13)						
	1	3	7:30-10:50	Daily			Edc 121	4	1	9-12:00 + 1-4:00	Daily Daily		L1b 123		
18:133g	Workshop: Forkner Shorthand (June 9-20) (Recommended corequisite: 18:133, section 2)							35:133g	Workshop: Online Database Searching (June 23-27)						
	1	2	1:20-4:40	Daily	Timpany		Srl 326	3	1	9-12:00 + 1-4:00	Daily Daily		L1b 123		
18:133g	Workshop: Forkner Methods (June 16-20) (Recommended corequisite: 18:133, section 1)							41:133g	Workshop: High-Level Wellness (June 23-July 3)						
Eve	2	1	5:30-8:30	Daily eve	Timpany		Srl 326	3	2	12:15-3:15	Daily	Cryer	EdC 321		
18:133g	Workshop: Teaching Spreadsheet Applications (June 9-13)							41:133g	Workshop: Death Education Methods (July 7, 9, 14, 16)						
	3	1	1:20-4:40	Daily	Gammill		Srl 235	Eve	7	1	6-10:00	MW eve	Davis	EdC 306	
18:133g	Workshop: Teaching Integrated Business Software Packages (June 16-20)							41:133g	Workshop: Health Counseling (July 8, 10, 15, 17)						
	4	1	1:20-4:40	Daily	Gammill		Srl 235	Eve	8	1	6-10:00	TTh eve	Moffit	EdC 306	
18:133g	Workshop: Planning a Computer-Based Business Education Curriculum (June 23-27)							41:133g	Workshop: Wellness Programming for School Staff (June 9-13)						
	5	1	1:20-4:40	Daily	Gammill		Srl 235	10	1	1-4:00	Daily	Davis	EdC 320		
21:133g	Workshop: Science for the Gifted (June 23-27)							41:133g	Workshop: Marketing of Health Education (July 7-11)						
	3	1	1-3:50	Daily	Stefanich		EdC 121	11	1	1-4:00	Daily	Richards	EdC 320		
21:133g	Workshop: Meeting the Needs of the Creatively Gifted (July 7-11)							42:133g	Workshop: Volleyball Coaching Theory (June 9-13)						
	2	1	1-3:50	Daily	Waack		EdC 124	1	1	1-4:00	Daily	Ahrabi-Fard	PEC 2855		
24:133g	Workshop: Introduction to Educational Computing (June 9-13)							42:133g	Workshop: Football Offensive Line Play (June 14-15)						
	1	1	8:40-12	Daily	Wedman		EdC 206	7	1	8:00 a.m.- 9:00 p.m. Sat + 12-4:00 p.m. Sun		Erusha	PEC 142		
24:133g	Workshop: Using Computers in Teaching (June 16-20)							42:133g	Workshop: Golf Coaching Theory (June 14-15)						
	3	1	8:40-12	Daily	Wedman		EdC 206	11	1	8:00 a.m.- 9:00 p.m. Sat + 12-4:00 p.m. Sun		K. Green	Dome		
24:133g	Workshop: Advanced Educational Computing (June 23-27)							42:133g	Workshop: Physical Fitness: Its Assessment and Interpretation (June 16-20)						
	5	1	7:30-11	Daily	Wedman		EdC 129	12	1	1-4:00	Daily	Covington	EdC 320		
31:133g	Workshop: Family Wellness (June 23-July 3) (31:152 or approval of Instructor)							42:133g	Workshop: Philosophical Approaches to Coaching (June 16-27)						
	1	2	1-4:00 + 3 hours arr	Daily	Franken		Wrt 210	14	2	1-4:00	Daily	Ahrabi-Fard/ Mudra	EdC 422		
33:133g	Workshop: Organizing and Operating Student Organizations (June 16-20)							50:133g	Workshop: Repertory Theatre Workshop (Registration requires approval of Director of Theatre) (May 30-August 2)						
	2	1	8:40-12 + 4 hours arr	Daily	Betts		ITC 7	1	1-6	arr	arr	Edelnant	SWT		
33:133g	Workshop: Integrating Technology Activities in Industrial Arts (July 7-11)							50:133g	Workshop: Teaching for High School Contest						
	10	1	8:40 + 9:50-12 + 4 hours arr	Daily	Betts		ITC 6 ITC 17	2	1	8:40-12	Daily	Henderson	CAC 106		
33:133g	Workshop: Fundamentals of Computer Numerical Control (May be substituted for 33:146) (July 7-18)								(Section 2 deals with individual events and runs June 9-13)						
	11	2	3:40-6:00 + 5 hours arr per week	Daily	Pine		ITC 15 19	3	2	8:40-12	Daily	Henderson	CAC 106		
33:133g	Workshop: Graphic Arts Technology (July 14-18)								(Section 3 deals with debate and runs June 16-27)						
	12	1	1:20-5:00 + 4 hours arr	Daily	Dennis		ITC 18								
33:133g	Workshop: Flexible Automation in Manufacturing (May be substituted for 33:147) (July 21-August 1)							56:133g	Workshop: Conductors' Workshop (June 9-13)						
	13	2	3:40-6:00 + 5 hours arr per week	Daily	Pine		ITC 15 19	2	2	9-12:00 + 1:30-4:30 + 7-9:30 pm	Daily Daily Daily	R. Johnson	Rsl 60		
								58:133g	Workshop: Jazz Theory for Educators Workshop (June 30-July 3)						
								1	1	1:20-5:20	Daily	Washut	Rsl 56		
								60:133	Workshop: Ceramic Workshop: Stoneware and Porcelain--Throwing, Decorating and Glazing (July 7-18) (Lab fee \$30.00)						
								7	2	7:30-5:30	Daily	Cassino	Art 126		
								60:133	Workshop: Painting/Drawing Workshop (June 23-July 3) (Lab fee \$10.00) (Prerequisites: 60:080 and 60:018)						
								10	2	7:30-4:20	Daily	Haupt	Art 229		

SUMMER 1986

Dpt:Crs	Sec	Cr	Time	Days	Instr	Bldg	Rm	Dpt:Crs	Sec	Cr	Time	Days	Instr	Bldg	Rm
WORKSHOPS (Continued)															
60:133			Workshop: Experimental Printmaking and Papermaking (July 21-August 1) (Lab fee \$20.00)												
	13	2	7:30-4:20	Daily	Siddens	Art	249								
60:133g			Workshop: Current Trends and Issues in Art Education (June 9-20)												
	14	2	9-12:00	Daily	Gregory	Art	211								
60:233			Workshop: Painting/Drawing Workshop (June 23-July 3) (Lab fee \$10.00)												
	3	2	7:30-4:20	Daily	Haupt	Art	229								
63:133g			Workshop: Modern English Grammar for ESL and English Teachers (June 23-July 3)												
	1	2	1-4:00	Daily	Shields	Sab	227								
84:133g			Workshop: Update in Cellular/Molecular Biology (Certification in biology teaching or written approval of instructor) (June 9-20)												
	9	2	7:30-10:50	Daily	Orr	MSH	1745								
			+ hours arr												
84:133g			Workshop: Outdoor Planning and Use (June 23-July 3)												
	10	2	12:10-3:30	Daily	Clausen	MSH	2238								
			+ hours arr												
87:133g			Workshop: Astronomy Update (June 30-July 3)												
	5	1	1-4:00	Daily	Kelsey	GNA									
			+ 3 hours arr												
87:133g			Workshop: Cameras in the Classroom (July 7-11) (Materials fee \$10.00)												
	11	1	1-4:00	Daily	Hoff	GNA									
			+ hours arr												
88:133g			Workshop: Using Electrical and Electronic Equipment in Teaching (June 9-20)												
	7	1	1-3:30	Daily	Vilmain	Phy	109								
88:133g			Workshop: Using Holograms to Teach Optics (July 21-August 1)												
	8	1	12-2:30	Daily	Olson	Phy	103								
94:133g			Workshop: Information Analysis for Local Government (Specifically targeted to local government administrators, OR future local government administrators, OR approval of Instructor. Course will be billed \$250.00 through the Political Science Department. This fee is separate from regular tuition.) (Workshop will meet Thursday, July 10, 17, and 24, and Friday, July 11, 18, and 25.)												
	1	0	9:30-4	ThF	Grady	Sab	201								

NOTES

Last
First
Middle
Major
Semester

STUDENT

NUMBER

Local or College Address
Phone

Dept. No.	Course No.	Sec. No.	Hours Credit	Time Hour Days	COURSE TITLE	INSTRUCTOR	Bldg. Rm.

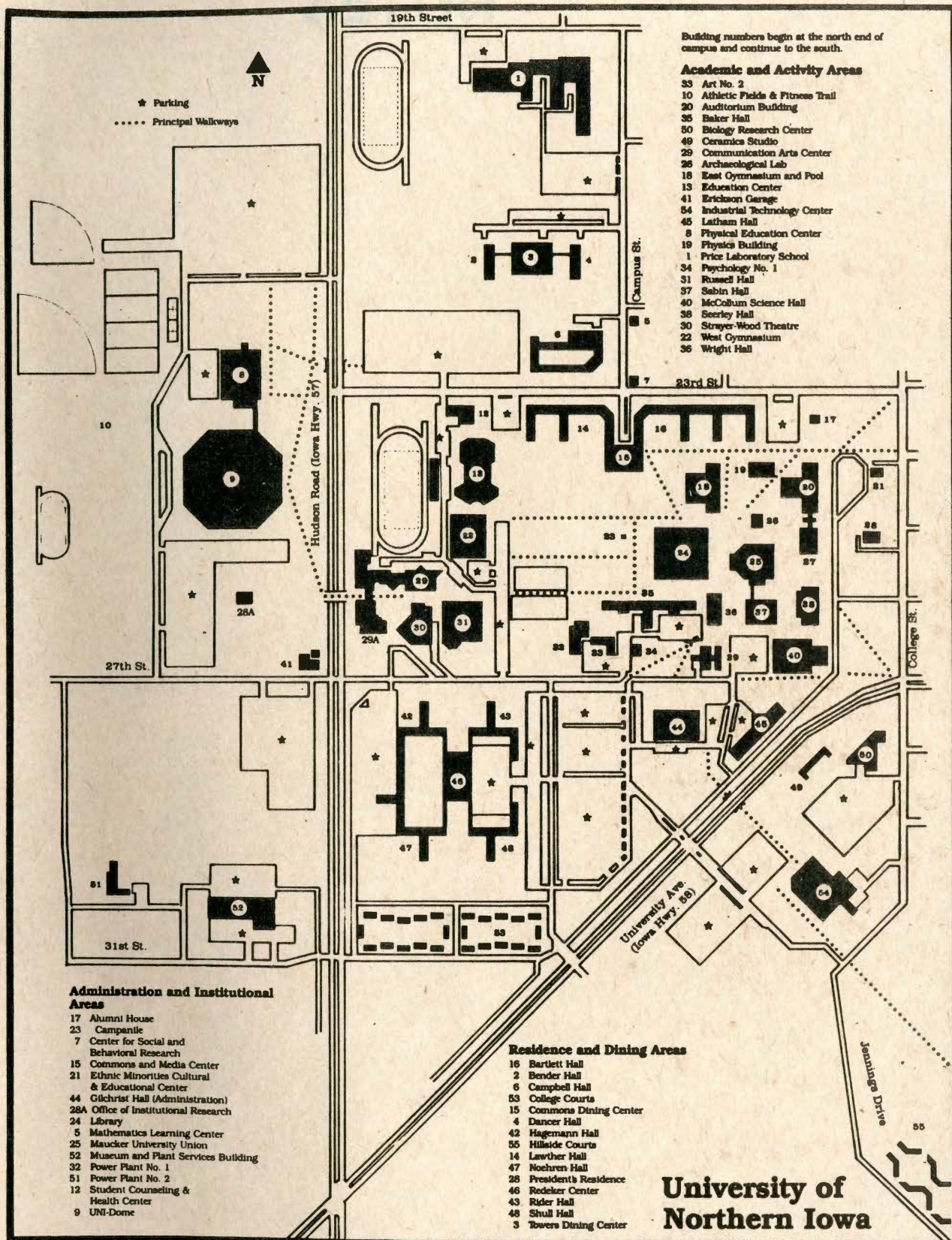
Total Hours _____

Advisor

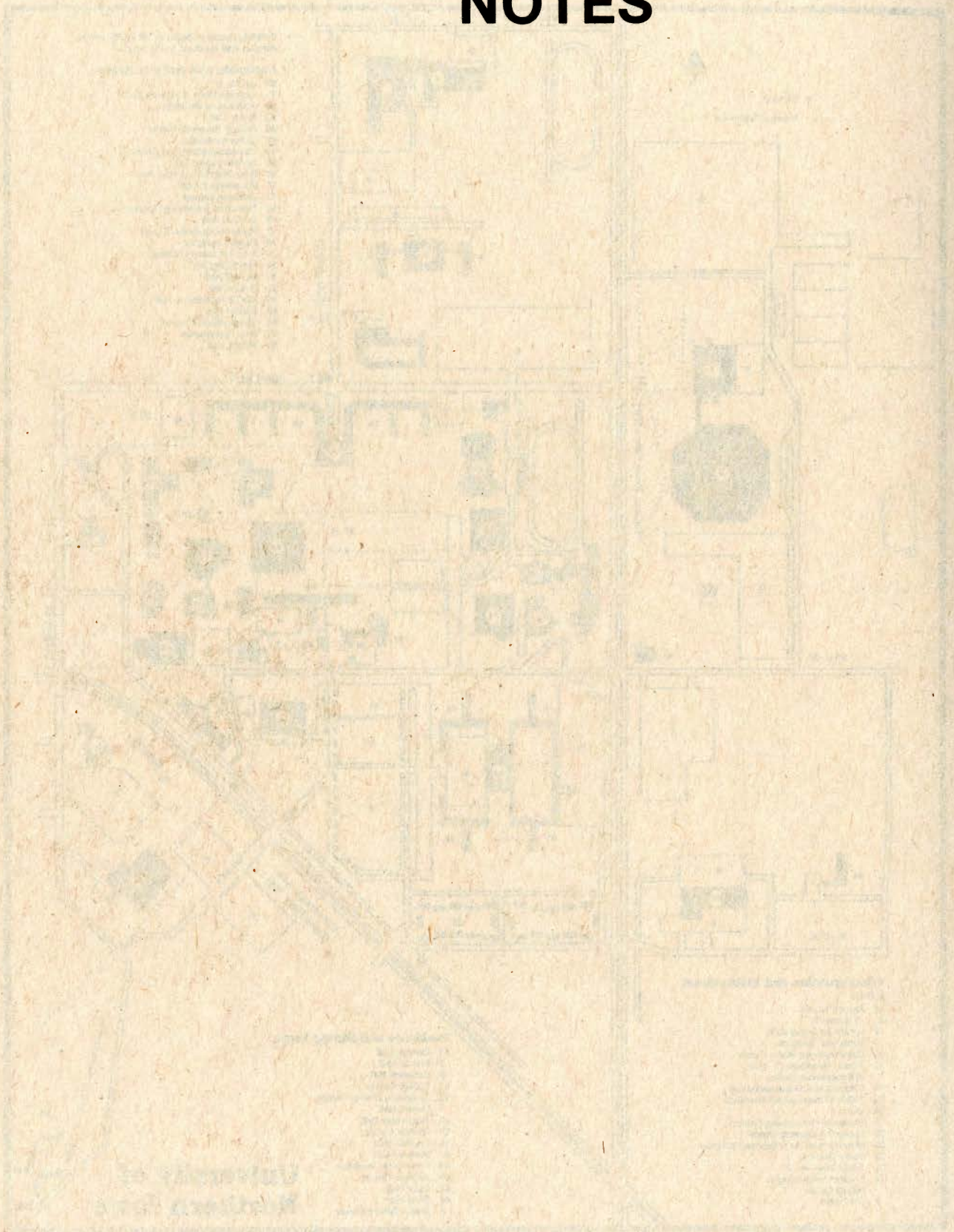
Use this section for making your trial schedule

Trial Schedule					
Name: _____	Monday	Tuesday	Wednesday	Thursday	Friday
7:30					
8:40					
9:50					
11:00					
1:00					
2:10					
3:20					
4:30					
Eve.					
Other					

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